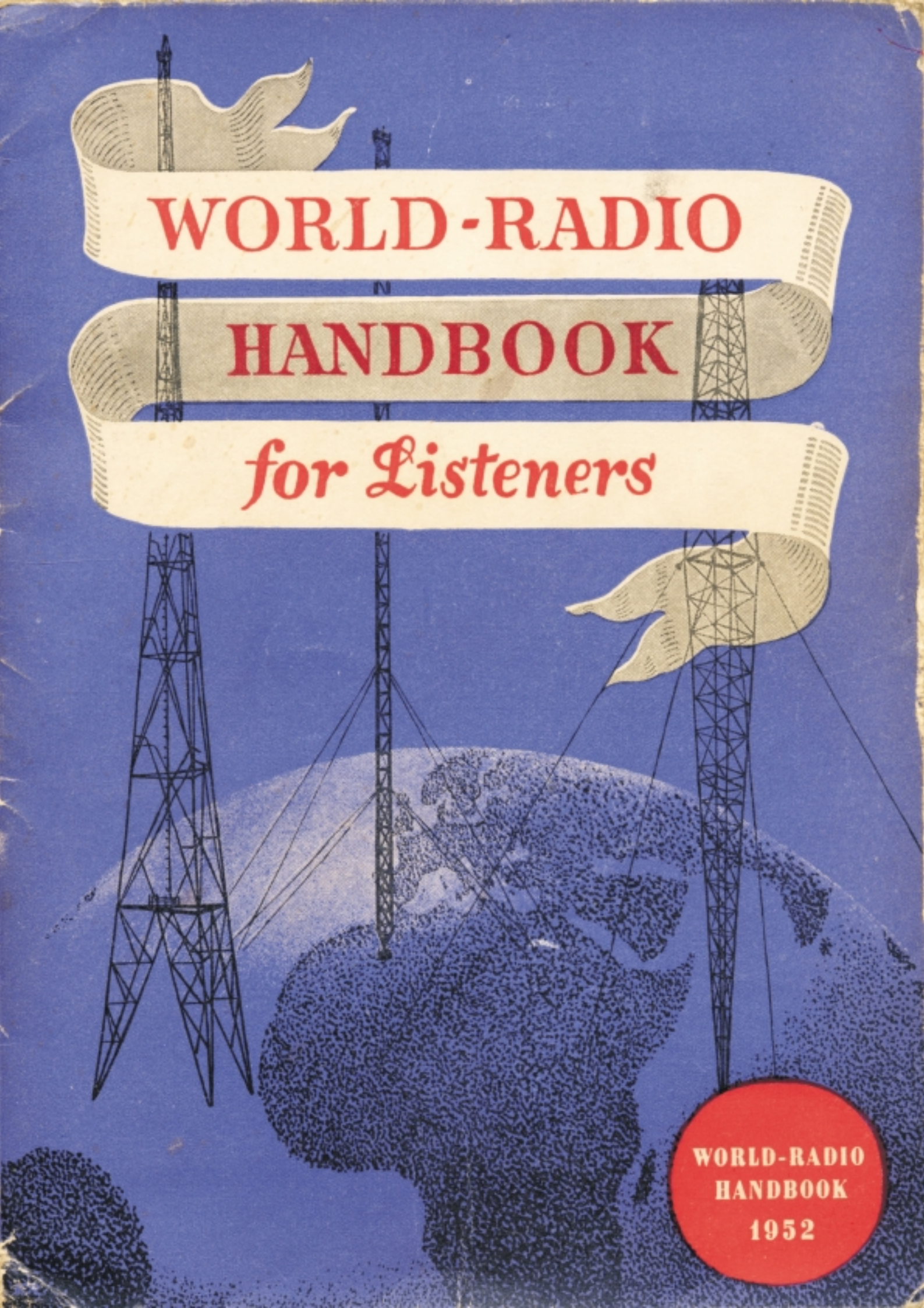
WORLD-RADIO HANDBOOK

for Listeners



WORLD-RADIO HANDBOOK 1952

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WORLD RADIO-HANDBOOK

for Listeners

including World-wide Radio WHO's WHO

For the promotion of a better understanding between the peoples of the world

Sixth Edition

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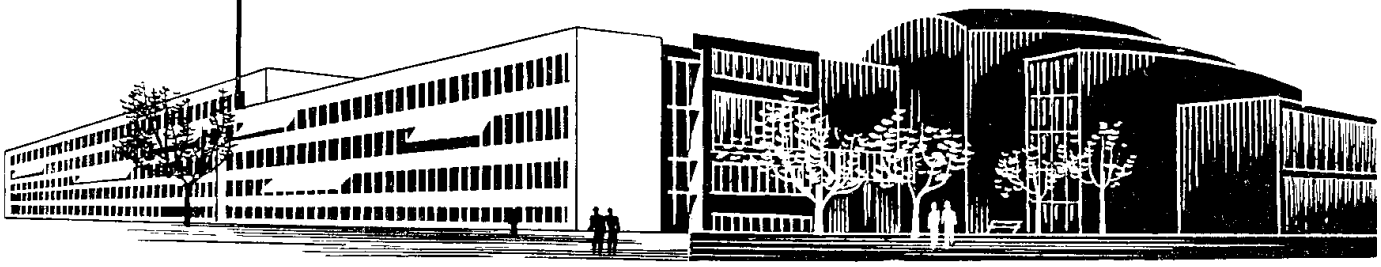

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Daily 1.30-2.30 and 3.00-4.00 GMT to *North America*

Local North American times	A.S.T. 9.30-10.30 p.m.	and	11.00-12.00 p.m.
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4.00 – -	4.20 –	–	–	31.51 – -	9.520 –	–	–	N.A
10.00 –	-10.20 –	–	–	19.76 –	-15.180 –	–	–	Austr.
02.00 p.m.-	02.20 pm.	–	–	19.58 –	-15.320 –	–	–	N.Z.India Malaya
5.00 – -	5.20 –	–	–	31.51 – -	9.520 –	–	–	The Middle East

Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK

Answer by letter or QSL-card

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PREFACE

"The United Nations Radio Division has followed the development and expansion of the World Radio Handbook through the five years of its existence. It is an indispensable reference book, and one of particular value to all concerned with promoting international understanding through radio, providing as it does an important link between broadcasters and listeners everywhere".

With these words, the Director of the United Nations Radio Division, Mr. Peter Aylen, has expressed The United Nations' appreciation of the World Radio Handbook, its practical purposes and its ideals. I thank Mr. Peter Aylen for this declaration, which exactly describes the motive which prompted the publication of the World Radio Handbook. My endeavour has been to make the contents of each edition as perfect as possible in order that it may fulfil its purpose. But close cooperation with the broadcasting organizations and with listeners is necessary, and an understanding by both sides of the purpose and the value of the World Radio Handbook if the best possible results, as expressed in a message to the World Radio Handbook from Mr. L. Wallenborn, Secretary General of the European Broadcasting Union at Geneva, are to be obtained:

"The European Broadcasting Union (EBU) values every effort to make programmes from any source known to all listeners, whatever their opportunities for listening; hence it cannot but encourage you in your endeavours and hopes that they will meet with the succes they so well deserve. If, through the World Radio Handbook, more people come to listen to more programmes broadcast by member organizations of the EBU, there is no doubt that considerable progress will have been made towards the achievement of mutual understanding between the peoples and consequently towards the peace of the world. That is why the Union cannot fail to express the hope that the World Radio Handbook will be widely read in order that it may continue along the path on which it has set its feet, and why it would warmly recommend the book to all those who cherish the same ideals".

I am happy to say that in the past year broadcasting organizations have shown a steadily growing understanding of the value of the World Radio Handbook as a link between broadcasters and listeners. Consequently it is to their own interest regularly to send the World Radio Handbook exact and detailed information about their broadcasting and its development, and to give their support as far as is practically possible. As an example, they may draw the attention of their listeners to the existence of the World Radio Handbook, with a consequent contribution to the promotion of understanding between the peoples of the world. In this connection I would like to express my gratitude to the broadcasting organizations for the support they have already given me, and it is my hope that many of the broadcasting organizations may find it of interest to give the World Radio Handbook their support in such a way that it may be possible to enlarge the contents without raising the price.

I thank the thousands of listeners, users of the World Radio Handbook, who have sent me letters containing critisism and praise. These have been of great value and have been a stimulant to me in my work. I hope that this cooperation may continue and increase to our mutual advantage and pleasure; and I invite listeners in all countries to send me their critisisms and advices and from time to time reports about the results of their listening. I should welcome you as a representative correspondent to the World Radio Handbook and therefore as a contributor to the fulfilment of the purpose of the World Radio Handbook.

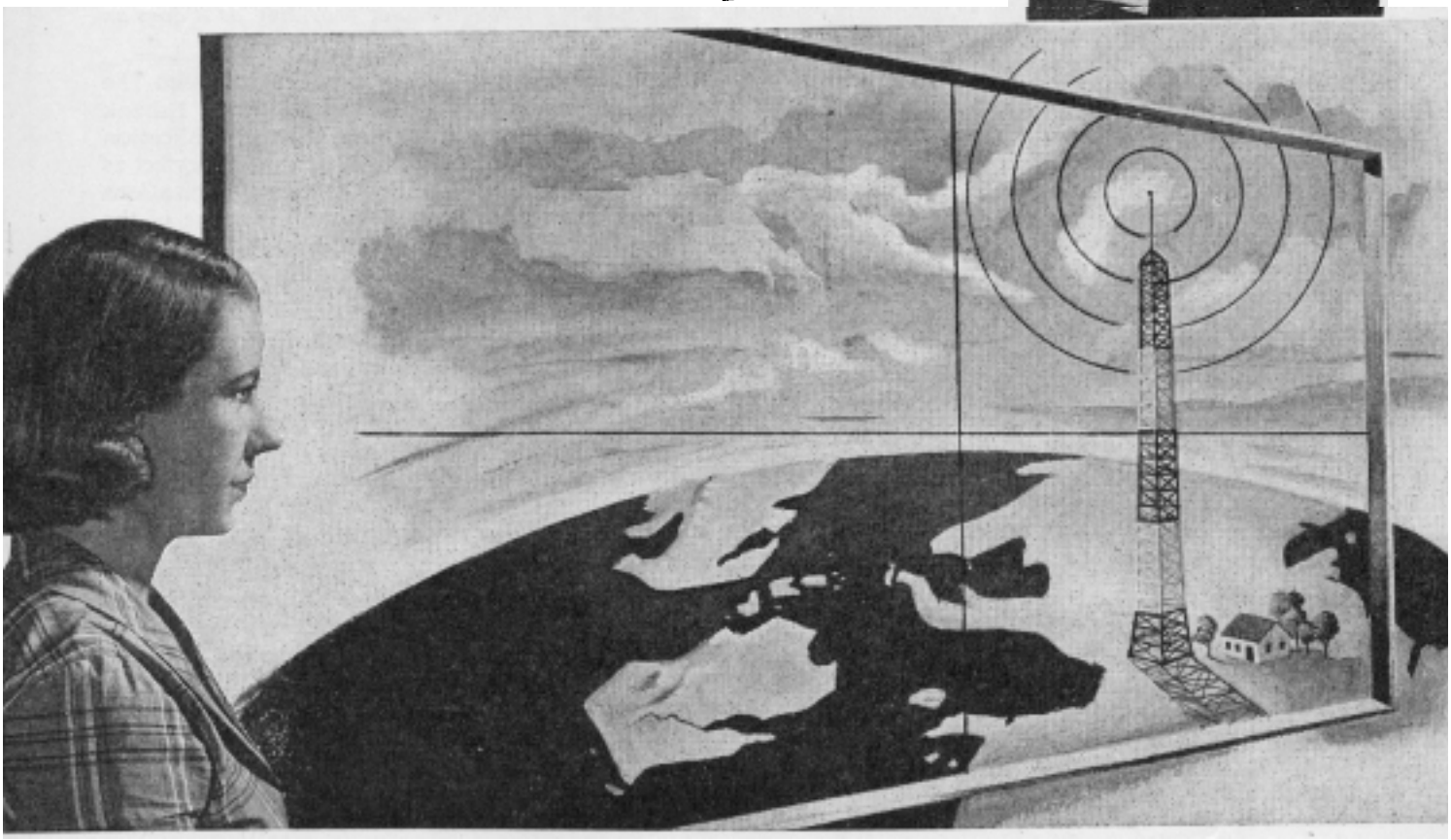
In the present edition of the World Radio Handbook the number of stations is considerably extended and all possible improvements have been made. The table of content gives the names of countries in alphabetical order. In the list of wavelenghts the "slogan" used by many stations is indicated, thus making the indification of the stations quicker and less laborious. In all the surveys of the stations the indications of nearly all medium wave stations are added and in the surveys of the Latin-American stations the indications are arranged in another way, so as to make the book easier to use. The list of the Standard-frequency transmissions has been extended and a list of Amateur-Prefixes bas been added. I regret that this year it has not been possible to meet *all* the wishes of listeners——but I hope next year to be able to make a further step towards the completeness of the World Radio Handbook.

I am grateful that this year again an opportunity is afforded me in this edition to publish messages from The UNITED NATIONS and from UNESCO. I have to express my thanks to the international broadcasting organizations and the Danish representatives abroad for their kind supports and cooperation.

Copenhagen, November 10th.

O. LUND JOHANSEN

TUNE IN... TUNE IN...
WHEREVER you are



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(medium-wave)

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Monte Ceneri (Italian language)

International Programmes:
Swiss Shortwave Service:

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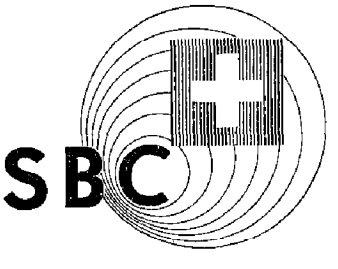
daily programmes in 9 languages



SWISS BROADCASTING CORPORATION
BERNE

Full details on page 45

Peter Aylen.

A message from

UNITED NATIONS

A recent estimate gives a round total of 193 million radio receivers and wired loud-speakers in the world, with a probable 600 million listeners, and another 13½ million television sets bringing programmes to an estimated 65 million viewers. Thus, 665 million minds draw at least part of their sustenance from radio and television, 665 million minds which can have a great, perhaps a decisive influence in choosing the direction in which the foreign policy of countries will lead, minds in which the defences of peace can be constructed.

What part can we play then in this supreme effort, those of us who are engaged in radio and television in our own countries and those whose programmes, like those of United Nations Radio, are transmitted internationally?

Every broadcaster has to answer that question for himself. The problems and possibilities of radio services can differ widely from one country to another just as listening tastes and habits vary. What is certain is that no broadcaster conscious of the power for good of the medium he is using can fail to work out his own answers.

As far as United Nations Radio is concerned, we try in preparing the news summaries, magazine programmes and other special features which we provide for rebroadcasting by national networks and local stations to bear in mind these principles.

News of the United Nations and Specialized Agencies and of international events with which they are concerned is given as fully as time allows. Objectivity and accuracy are the most important considerations.

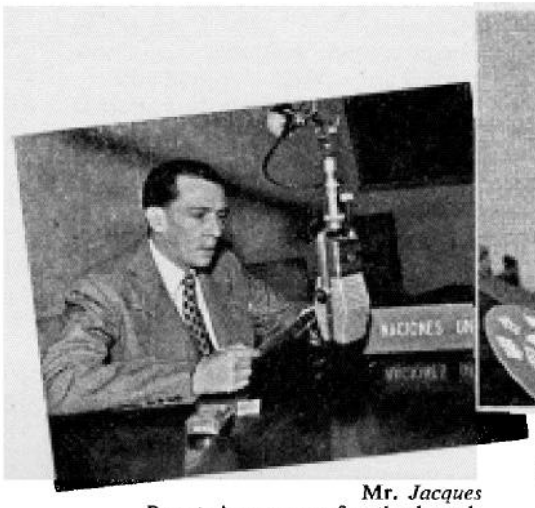
Listeners are looked on as persons who have the right to be informed of what is being said and done in the United Nations and the right as adults to be allowed to form their own opinions on the basis of information given them. From knowledge we believe will come understanding and the will to support the aims and activities of the United Nations and the Specialized Agencies.

United Nations Radio also prepares magazine programmes of talks or interviews by delegates and experts, reportages from United Nations information officers with missions in all parts of the world, and dramatized feature programmes on major themes, such as Human Rights and United Nations Day. In these we strive not only to inform but to catch the imagination of the great numbers of people who have shown their goodwill towards the United Nations and their belief that, as the Secretary-General, Mr. Trygve Lie, said in a recent broadcast: "Today, more than ever, it remains the best, the only, present hope we have for settling the present conflicts by peaceful means around the table and preventing a third world war."

Radio organizations in forty of the sixty member nations rebroadcast on national wavelenghts, in almost all cases daily, news programmes provided by United Nations Radio. The more correspondents and the more rebroadcasts there are the better it will be for our joint efforts to see that the incomparable medium of broadcasting is used in the cause of peace.

We now speak to you from our great new home in Manhattan. So, when you see a picture of this United Nations headquarters, think of it not just as a new skyscraper of New Yorks' East River. Think of it rather as the centre, the very heart of a great web of human effort which encompasses the globe, striving by every means in its power to see that man can live with man in dignity and peace.

PETER AYLEN
Director Radio Division



Mr. *Jacques Donot.* Announcer for the broadcasts to France.

Miss *Yung Lena Lee.* Announcer for the broadcasts to China.

Mr. *Daniel Manjarrez.* Announcer for the broadcasts to Latin America.

message from United Nations Peter Aylen Jacques Donot Yung Lena Lee Daniel Manjarrez

DENMARK'S LEADING DAILY

Berlingske Tidende

INTRODUCTION TO WORLD LISTENING

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

The Addresses of the broadcasting companies in question. Where broadcasts are **commercial**, this is stated.

Names and Titles of the leading personalities in each company.

List of Stations operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium- and shortwaves), as well as their power expressed in kilowatts.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or first two, denote the nationality in accordance with the international list of station prefixes. Some short-wave stations, the American for example, use these call-signs when announcing themselves.

Long and medium wave stations are divided into three categories, viz. (1) *Main Stations*, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) *Regional Stations*, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3) *Relay Stations*, which solely re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area.

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

Times are shown on pp. 17–102 on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

Frequency and Wavelength.

Frequency and Wavelength are divided into the following groups:

Long waves with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres).

Medium waves with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres).

Short waves with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

The wavelength of a station is measured in metres, a metre being approximately $1^1/_{10}$ yards. The wavelength is the distance in metres between the crests of any two consecutive waves. For every wavelength there is a corresponding frequency, which is the number of complete waves, or cycles, sent out by a station in every second. A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

The property possessed by the short waves of spanning great distances with strong signals has encouraged the countries of the world to make use of them for broadcasting purposes.

A careful examination of the behaviour of the various bands and their propagation characteristics has supplied engineers with invaluable information as to the most suitable frequencies for different times of the day or months of the year, so that they can ensure maximum reception at any time in any part of the world in which they may be specifically interested (see table page 103).

The British Broadcasting Corporation (BBC), The Voice of America (U.S.A.), Canada, France, the Soviet Union, and many other large countries maintain comprehensive and extensive short-wave services for the benefit of listeners all over the world.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs serve to identify individual transmissions and frequencies.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station.

Daily Programmes: Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news and the more important regular feature programmes on specific days.

Announcements:

The language alone is not a conclusive indication of the origin of a broadcast to which you may be

listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

Interval-Signals:

For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find an indication of the type of signal used, and in many cases also a reproduction of the musical notes of this signal.

QSL Cards:

As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge such reports by sending listeners a QSL (verification) card or a letter. For most of these stations it is stated whether reports are answered by QSL-card or letter.

Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful, sometimes with pictures of the station and its location, photos of the personnel, and other interesting particulars.

Reports from Listeners:

Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations. Each report should contain information as to wavelength, date, time, program heard, intelligibility, strength of reception and whether there was any fading, i.e. variable strengths (QSB), interference from another station (QRM), and static, i.e. atmospheric interference (QRN). – In the case of an amateur transmitter, the report should also contain the call letters of the station.

Moreover, it is helpful to add details of your own location, as well as of the type of receiver and aerial used for listening. If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices.

Greenwich Mean Time (G. M. T.) should be used for all time indications. – The full address of each station will be found in the individual surveys for each country

Intelligibility	Strength	Interference
QRK1 – unintelligible	QSA1 – unreadable	QRM – interference from another station
QRK2 – partly unintelligible	QSA2 – weak	QRN – atmospheric interference (static)
QRK3 – intelligible with difficulty	QSA3 – fairly good	QSB – variable strengths (fading)
QRK4 – quite intelligible	QSA4 – good	
QRK5 – easily intelligible	QSA5 – very good	

Future Plans:

Many stations have made known their development plans for the immediate future. These include: – Increase of power, new transmitters, etc.

Lists of Long, Medium and Short Wave Stations:

A complete list of the world's broadcasting stations, arranged in order of frequencies (pages 104–117).

Local Time Conversion:

On page 119 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours ahead of G.M.T. From May to September U.S.A. introduces day-light saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T.

How to tune in your favourite short-wave station:

It requires some practice to adjust receivers correctly to a short-wave station. A movement to either side by a mere hair's breadth may give the correct adjustment. Once the station has been found, it must be finely adjusted by gently turning the dial knob backwards and forwards, simultaneously increasing the volume until the station in question can be heard distinctly, and identified. If the tuning knob is turned too quickly, a weak station may easily be passed over.

Reception conditions for short waves can be very capricious. After listening to a far-distant station for a short time, it may suddenly disappear completely (fade) and not return immediately.

Some broadcasts are often transmitted on several wavelengths simultaneously. If after adjusting your receiver to the station to which you wish to listen, you find reception unsatisfactory, try the other wavelengths used by the same station during the period in question.

How to identify a short-wave station:

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency indicated on your dial in megacycles or kilocycles or the wavelength in metres. Find from the table of frequencies and wavelengths what stations are working in the neighbourhood of the reading shown by your dial. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

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A Message from

UNESCO

One of the most important activities of the United Nations Educational. Scientific and Cultural Organization is that of improving international understanding by promoting the greatest possible flow of information between peoples. This is the task of the Mass Communication Department of Unesco which works through the media of Press, Film and Radio. The Radio Division of the Department of Mass Communication has forged ahead in the last year by an increased output of recorded programmes and scripted material in many languages. The regular weekly radio bulletin "The Unesco World Review" is now distributed to over one hundred countries and territories.

In the field of recordings, over 4.000 copies of talk, special rcports, round-table discussions and special radio features have been sent to some 70 countries, as far apart as Pakistan and Venezuela, Holland and New Zealand; to countries as large as the Americas and as small as Haiti. The main new development during the last year has been in the direction of special radio feature programmes which cover such subjects as Unesco and Human Rights, the International Voluntary Work Camp Movement, Schools for Refugee Children, the Unesco Folk Music Album, Collective Security, United Nations Day, Fundamental Education, and the Scientific Facts of Race.

The increasing demand for this type of programme has made it necessary to construct a second Production Studio in Unesco House. With these new facilities, feature programmes are now being produced in English, French, Spanish, German and Dutch.

From the broadcasting point of view, there is increasing evidence that production managers in many parts of the world are more than satisfied with the quality and interests of these programmes and in many places have in consequence started regular Unesco sessions which incorporate these recordings.

The advantageous position of the Unesco Radio Division is that it can see human problems from an international point of view and in many ways supply radio stations with information and recordings of famous people who are seldom available to the production staff of local stations. By engaging in this work, the radio Division is playing a big part in carrying out the ideals of Unesco and the United Nations by building international understanding through the free exchange of information and ideas.

GORDON FRASER
Head, Radio Division, Dept. of Mass Communication.

CBC RADIO CANADA

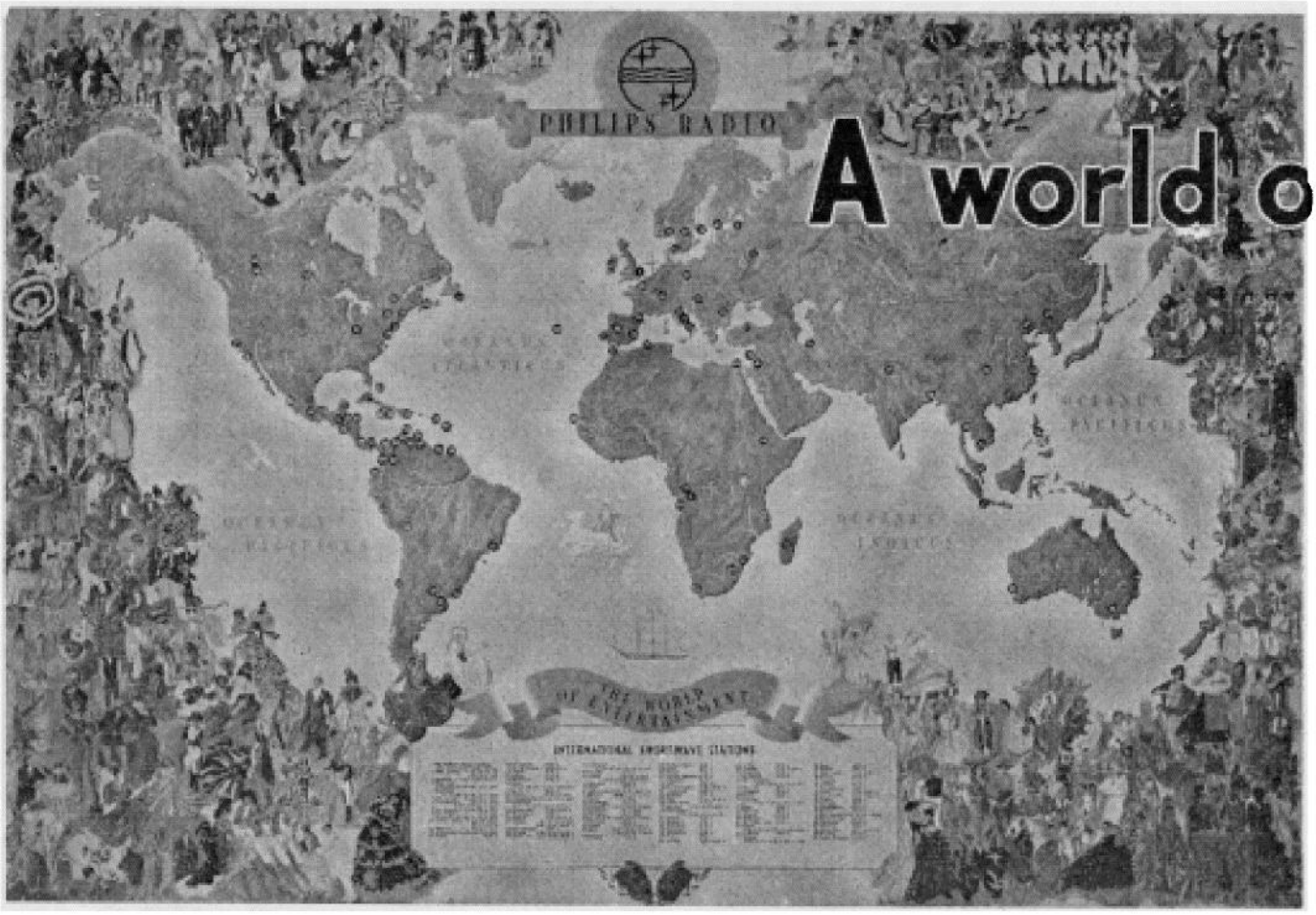
Programs from Canada are broadcast daily to Europe in English, French, Dutch, Czech, Slovak, German, Danish, Norwegian, Swedish, Italian, Finnish and Russian; to the Caribbean and South America in English, Spanish, Portuguese and French and on Saturdays Dutch is heard by listeners in the Caribbean. Every Sunday and Wednesday programs in English are broadcast to the Southwest Pacific.
Listeners in all countries are invited to tune in to Canada's International Service for a day-to-day chronicle of Canadian life and to write requesting a monthly program schedule.

canadian broadcasting corporation

International Service

Post Office Box 7,000 . Montreal . Canada

For frequencies on which CBC International Service may be heard see page 78



IT is true that modern radio transmission spans the world and has brought continents and countries closer to each other. But it is also true that in a far more concrete sense PHILIPS radio sets span the world, since they are found on all continents and in practically all countries. Philips is one of the pioneers in modern radio reception and transmission, especially on short-waves. As early as 1927 already a Philips experimental transmitter on a wave-length of 30,9 could be clearly received in all corners of the world.

To-day Philips radio transmitters too are serving all over the globe.

Just as important, however, is the fact that Philips contributed much to world entertainment by producing excellent sets for reasonable prices: sets for everybody!

advertisement philips

In order to symbolize the contribution of Philips to world entertainment, a colourful world map has been produced (printed in 16 colours) showing most of the world's short wave stations. If you should like to receive a copy of this beautiful map (size 30″ x 42″) just send a postcard to PHILIPS, General Advertising Division, EINDHOVEN, NETHERLANDS.

UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)
European Broadcasting Union (E.B.U.)

Seat and Administrative Office: 37, Quai Wilson, Geneva. Technical Centre: 32 Avenue Lancaster, Brussels.
Administrative Council: President Sir Ian Jacob (B.B.C., United Kingdom).
Vice-Presidents T. Fleischman (I.N.R., Belgium), G. Conus (Société Suisse de Radiodiffusion, Switzerland).
Administrators: L. Daumard (Radiodiffusion Française). S. Sernesi (Radio Italiana). K. Fostervoll (Norsk Rikskringkastning, Norway). Dr. Youssef El Eche (Administration Radiodiffusion, Syria).
Alternates: J. Boon (Belgium). C. Bonami (France). G. F. Zaffrani (Italy). O. Devik (Norway). C. Conner (United Kingdom). Ch. Gilliéron (Switzerland). S. Moussly (Syria).
Director of the Administrative Office Leo Wallenborn, *Associate Director* Dr. G. Straschnov. – *Director of the Technical Centre* H. Angles d'Auriac.
Active Members: The broadc. organizations of: Belgium, Denmark, Egypt, Finland, France, Greece, Ireland, Italy, Lebanon, Luxembourg, Morocco/Tunisia, Monaco, Norway, Netherlands, Portugal, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.
Associate Members: The broadcasting organizations of: Australia (Australian Broadcasting Commission and Australian Federation of Commercial Stations), Canada, Japan, New Zealand, Pakistan, Union of South Africa, United States (International Broadcasting Division, U.S. Department of State).
Publications: Periodical Bulletin (every two months). Various technical documents.

ORGANISATION INTERNATIONALE DE RADIODIFFUSSION OIR. INTERNATIONAL BROADCASTING ORGANISATION

Address: 15, Mozartova, Prague XVI, Czechoslovakia.
Cable: INTERADIF PRAHA.
Nature: International Organization, having scientific purpose, formed in the spirit of the United Nations Charter, articles 55, 56, 57, 58, 59, 62, 63, 64 and 70.
Governing Body: General Assembly consisting of 1 (one) representative for each full member.
Administrative Board: Consisting of 7 to 13 members. – Chairman: M. Socor, Vice-Chairman: P. M. Uusman, I. Szirmai. Members: P. Kito, A. J. Koloskov, M. Nikolov, K. Stahl. Secretary-General: T. Zelezny. Technical Vice-Manager: V. I. Trunov.
Members: People's Republic of Albania, SSR of Byelorussia, People's Republic of Bulgaria, Czechoslovakia, SSR of Esthonia, Finland, Hungarian People's Republic, SSR of Finnish Carelia, German Democratic Republic, SSR of Latvia, SSR of Lithuania, SSR of Moldavia, Republic of Poland, Rumanian People's Republic, SSR of Ukraine, U.S.S.R.
Facilities: Technical Control Centre: Prague, Czechoslovakia.
Meetings: General Assembly at least twice a year, Administrative Board at least four times a year.
Publications: Information and Documentation Bulletin in English, French and Russian issued every three months. Title of French edition: "La Radio dans le monde". A monthly Documentation handbook.
Relations with other Intern. Organizations: Official relations with the ITU and its advisory committees.

RONETTE - AMSTERDAM

producers of piézo electrical articles, represented in 30 countries of the world. For industries and commerce RONETTE asks for your attention to:

- **Filtercell microphone cartridges,** with a frequency response according to your wishes in the range 20 – 7500 cps.
- **Filtercell handmicrophones,**
- **Cell- and reportermicrophones,**
- **Miniweight saphire pick-up cartridges,** in Ronette standard finish and for industries in each desired form.
- **Miniweight pick ups,**

Please ask for our descriptions and for your nearest RONETTE-representative.

Abbreviations: Corpo. = Corporation. R. = Radio. W. = Weekday. kW = Kilowatt. st. = Station. A.O. = Africa Occidental. V.O.A. = Voice of America. Wi. = Winter. S. = Summer. M.B.C. = Manila Broadcasting Company. MCBS = Mindanao Colleges Broadcasting System. m.v. = Medium Wave. s.w. = Short Wave. G.M.T. = Greenwich Mean Time. D. = Daily. F.M. = Frequency modulated. F.B.S. = Forces Broadc. Service. B.F.B.S. = British Forces Broadc. Service.

EUROPE

ALBANIA

Address: Direction Centrale de la Radiodiffusion d'Albanie, rue Conference de Peza 3, Tirana. –

Stations:

Korça	1088 kc/s	275.7 m	0.2 kW
Qyteti Stalin	1200 –	250.0 –	0.1 –
Tirana	1358 –	220.9 –	10 –
Gjinokastra	1430 –	209.8 –	0.25 –
Tirana	6570 –	45.52 –	0.1 –
Korça	7595 –	39.50 –	0.1 –
Tirana	7850 –	38.20 –	3 –
Shkodra	8215 –	36.52 –	0.2 –
Vlore	8500 –	35.30 –	0.1 –

DAILY PROGRAMMES:

Radio Tirana (Home Service): On 1358, 6570 kc/s. W: 05.45–07.30 (S. 04.45–06.30), 12.00–14.00 (Wedn. Fri. 15.30), 16.30–22.00. Sun. 06.30–10.00, 11.30–14.00, 15.00–22.00.

News: 05.15, 06.00 (Sun.), 12.30, 13.00 (Sun.), 17.00, 19.00, 21.00.

European Service on 7850 kc/s: 17.15–21.30. – 17.15 Turkish – 18.00 Greek I – 18.15 Italian I – 18.30 Russian – 18.45 French – 20.00 Greek II – 20.15 Italian II – 20.50 Music for listeners abroad (Wedn. French and English) – 21.15 English.

Radio Korça on 1088, 7595 kc/s: W: 06.00–07.00, 12.00–14.00, 16.45–21.00. Sun.: 06.00–08.00, 12.00–14.00, 16.45–21.00.

Radio Shkodra on 8215 kc/s: 06.00–07.00, 12.00–14.00 (Sun. 11.00–13.00), 16.00–20.30 (Sun. 15.00–21.00).

Radio Gjinokastra: 06.00–07.00, 16.30–21.00.

Radio Qyteti Stalin: 05.25–07.30, 13.00–15.00, 17.00–20.30.

Radio Vlore: 06.00–07.00, 12.00–13.30, 17.30–21.00.

Announcement: Shkodra: "Ketü Radio Shkodra".

Interval-Signal: Tirana: 7 musical notes; Shkodra: 2 musical notes. At the beginning of each transmission a call signal consisting of the 9 first notes of the national anthem is played.

Radio Andorra: The speaker-studio.

RADIO ANDORRA, commercial

Address: "Emisiones Radio Andorra" Andorra la Vieja, Principado de Andorra. – *Cable:* "Radio-Andorra".

Leading Personalities: Director General, Mr. Maurice Perrot. Chief Engineer, Mr. Lucien Killmayer. Director of Programs, Mr. Amades Rossell. Secretary General, Miss Julia Canut.

Stations: *Radio-Andorra.*
824 kc/s 365.4 m 60 kW - 5980 kc/s 50.16 m 25 kW
9330 – 32.15 – 25 – inactive.

Daily Programmes in *French* and *Spanish:* 11.30–14.00, 18.00–24.00.

"*Le Cabaret des Ondes*": Daily 19.15–19.45.

"*Le Concert des Auditeurs*" (*Variétés*): Daily 13.05, 21.30.

"*Apéritif en Chansons*" (*French*): 11.40–12.00.

Announcement: *French:* "Ici Radio-Andorre" (man's voice). *Spanish:* "Aqui Radio-Andorra" (woman's voice).

AUSTRIA

THE BLUE DANUBE NETWORK.

Stations:	kc/s	m	kW
Zell-am-See	674	445	1
Salzburg BDN	881	341	1
Linz BDN	890	337.1	1
Vienna BDN	1034	290.1	1
St. Johann BDN	1367	220	0.35
Salzburg BDN	6062	49.48	0.35
Salzburg BDN	9617	31.20	0.35

SENDERGRUPPE ROT-WEISS-ROT (American Zone).

Address: Sendergruppe Rot-Weiss-Rot, Seidengasse 13, Wien VII. – Hofstallgasse 5, Salzburg. – Obere Donaulaende 1, Linz.

Leading Personalities: General Manager, Mr. Andreas Reischek (Linz). Managing Director, Mr. Josef R. Sills (Vienna). Chief Engineer, Dr. R. Stamminger.

Stations:	kc/s	m	kW
Vienna RWR	755	397.4	20*)
Salzburg RWR	1250	240.0	5*)
Linz RWR	1394	215.2	15*)

*) Power will be raised.

Daily Programmes in German: 04.57–00.30.

News: W. 05.00, 06.00, 07.00, 08.00, 09.00, 10.00, 11.30, 13.00, 14.00, 15.00*), 16.00*), 17.00*), 18.00*), 19.00, 20.00*), 21.00, 22.00, 23.00, 24.00. Sun. 05.00, 07.00, 11.30, 19.00, 21.00, 23.00, 24.00.

*) not Sat.

America Calling Austria: Daily 05.45, 11.45, 18.45.

Britain speaks to Austria: Daily 17.45.

Concert or Opera: Sun. 14.00, Mo. 22.03, Fri. 20.03.

Philharmonic Concert: Sat. 15.00–16.15.

Entertainment: Sat. Sun. 19.15–21.00.

Announcement: "Hier ist die Sendergruppe Rot-Weiss-Rot, Wien auf Welle 397.4 m, Salzburg auf Welle 240 m, Linz auf Welle 215.2 m."

Interval Signal: The first four bars of the "Blue Danube" by Johann Strauss.

Verification by QSL-card.

SENDERGRUPPE ALPENLAND (British Zone).
Graz and Klagenfurt (Commercial.)

Address: Sendergruppe Alpenland, Funkhaus Graz, Zuserthalgasse 14a, Austria.

Europe Albania Austria Andorra Radio Andorra

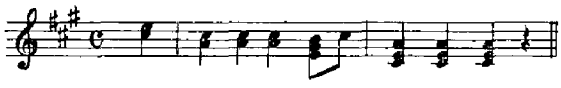
Austria

Leading Personalities: Director Ing. Dietrich Cordes. Director of Music Mr. Ernst L. Urav. Chief Editor Mr. Artur Kremsner. Chief Engineer Ing. Wilhelm Walzel.

Stations:	kc/s	m	kW
Graz II	519	578.0	0.2
Schønbrunn	566	530.0	15
Graz I	728	412.0	15
Klagenfurt I	728	412.0	15
Graz Dobl	1025	292.7	100
Klagenfurt II	1304	230.0	0.2

DAILY PROGRAMMES IN GERMAN:
First Program. Graz I, Klagenfurt I:
Weekdays: 04.00–08.00, 13.00–23.00 (Sat. 24.00). *Sun.:* 05.30–07.00, 15.00–24.00.
Station Dobl: Weekdays 10.00–13.00 (Sat. 14.30), Sun. 07.00–15.00 (see BBC).
Second Program (Graz II and Klagenfurt II only):
Weekdays: 18.30–21.15. *Sun.:* 08.00–11.45, 16.00–21.15.
Station Schönbrunn:
Mo. to Fri.: 04.00–07.00, 10.45–13.00, 15.00–23.00. Sat.: 04.00–07.15, 10.45–23.00. Sun.: 05.30–23.00.
News: 04.03(W), 05.00(W), 06.00, 07.00, 08.00 (Sun.), 11.30, 16.00, 19.00, 21.00, 22.55.

Interval-Signal:



Verification by letter.

BRITISH FORCES NETWORK (British Zone).
Address: B.7 Forces Broadcasting Station (H.Q., F.B.S. Austria), British Troops in Austria, Opernring No. 6, Graz I.
Leading Personalities: Controller Forces Broadcasting Service Austria Capt. R. L. Angove, ALCM. Program Compiler Mr. E. D. King. Technical Officer Mr. A. F. Thorpe, MBE.

Stations:

Graz B7 FBS	565 kc/s	531.0 m	1	kW
Klagenfurt C12 FBS	565 –	531.0 –	0.25	–
Vienna C13 FBS	868 –	345.0 –	0.8	–

Daily Programmes in English: *W.* 05.58–08.00, 09.28–13.15, 15.55–22.00. *Sat.* 05.58–08.00, 09.28–23.00. *Sun.* 06.58–22.00.
BBC News: 06.00, 07.15, 11.00, 13.00, 16.00, 18.00, 20.00.
Mailbag (Request programme from Forces Listeners): Daily 16.15–17.30. Tues. and Fri. devoted to Concert and Sun. to requests from United Kingdom.
Announcement: "This is the British Forces Network, Austria" or "You are listening to the Forces Broadcasting Service, Austria. Opening Melody: "Rule Britannia", Closing Melody: "The King".
Verification by letter.

SENDERGRUPPE WEST (French Zone) Commercial.
Address: Radio Tirol, Landhaus, Neubau, Innsbruck. Sender Vorarlberg Dornbirn, Rathausplatz 1, Dornbirn.
Leading Personalities: *Innsbruck:* Chief of Broadcasting Reg. Rat. Dr. Josef Scheidle, Tiroler Landesregierung. Director of Programs Dr. Arthur Schuschnigg. Chief Engineer Ing. Guglberger. *Vorarlberg Dornbirn:* Chief of Broadcasting, Mr. Carl Emmerich Gasser.

Stations:

Dornbirn	629 kc/s	477.0 m	20	kW
Innsbruck	629 –	477.0 –	20	–
Innsbruck	6000 –	50.00 –	0.5	–

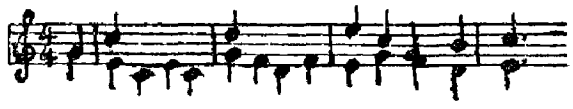
Daily Programs in *German:* Weekdays 05.00–08.00, 09.15–13.10, 15.00–23.00. Sat. 05.00–08.00, 10.00–23.00. Sun. 06.00–23.00.

News: (W=Weekdays. 05.00 (W), 06.00, 11.30, 19.00, 21.00. *News in French* (from Paris): 07.00, 12.45, (Mo. Fri.), 13.00 (Sat. Sun.).
Symphony Concert: Sun. 09.00. Wed. 19.45. – *Radio Theatre:* Thurs. 19.15. – *Music:* Daily 15.00.

Announcement: "Österreichische Sendergruppe West, Radio Tirol, Radio Vorarlberg (Studio Innsbruck Studio Dornbirn)". Closing with "Andreas Hofer March".
Interval Signal: *Innsbruck:* First movements of: "Mein schönes Innsbruck am grünen Inn". (Musical Box).

Closing with Andreas Hofer Song.

Vorarlberg-Dornbirn: "Segenvolle Ahnenscholle, schönes Land am jungen Rhein".



RAVAG (U. S. S. R. Zone).
Address: Öffentlicher Verwalter für das österreichische Rundspruchwesen, Ravag, Wien IV, Argentinierstrasse 30A (Funkhaus).
Leading Personalities: Öffentlicher Verwalter für das österreichische Rundspruchwesen, Dr. Siegmund Guggenberger. Director of Programs, Dr. Rudolf Henz. Technical Director Ing. Wilhelm Füchsel. Administrator Dr. Rudolf Pristov.

Stations:	kc/s	m	kW		kc/s	m	kW
Vienna I	584	513.8	35	Vienna IV	7245	41.41	0.3
Vienna II	1475	203.4	2	Vienna I	9665	31.04	0.3
Vienna III	6155	48.74	0.2	Vienna II	11785	25.45	0.2

Daily Programmes in *German:*
Vienna I on 584, 6155, 11785 kc/s: *Daily* 04.40 (Sun. 05.30) – 24.00,
News: 04.50(W), 06.00, 07.00(W), 11.45(W), 12.00(S), 16.00, 19.00, 21.20, 23.00. – *News from Sovjet:* 21.40.
Russian Press Review: 16.50 (Sat. 17.00).
Concerts: W. 10.45, 12.00, 17.00.
"Echo des Tages": W. 18.30.
Opera or Operette: Tues. 19.15 ("Wiener Staatsoper", every third Tues.).
"Das ist mein Österreich": 16.10 first and third Sat.
"Bunte Samstagsendung": Sat. 19.15.
"Russian Hour": Sun. 19.15. – *"Sendung für Ausland":* D. 23.05.

Vienna II on 1475, 7245, 9665 kc/s: *Weekdays* 04.40–13.00, 14.00 (Sat. 13.50)– 23.05. *Sun.* 05.30–22.45.
News: W. 18.45, 21.00.
Concert (Sat. Cabaret): W. 16.10. *"Echo des Tages":* W. 21.15.

Program-Exhange Paris-Vienna: 19.00 Mo. from Paris, Fri., Sun. to Paris. *Orchestral Concert:* Wed. 19.45.
Announcement: "Hier ist Radio Wien auf...
Interval Signal: Tick-Tock of an alarm clock.
Verification by letter.

BELGIUM

Address: The Belgian National Broadcasting Service, Box 26, or Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Brussels. *Cable:* I.N.R. Bruxelles.
Leading Personalities: The President of the Conseil de Gestion Minister of Communications: Mr. Paul Segers. *Flemish Dept.:* Director General, Mr. Jan Boon. Deputy Director General, Gust de Muynch. Director of Music Mr. P. Collaer. Director of Spoken Word Mr. Raymond Brulez. For Press and Information Mr. Herman Engels. *French Dept.:* Director General Mr. Theo Fleischman. Asst. Director General Mr. Roger Clausse. Director of Music Mr. René Tellier. Director of Spoken Word Mr. Frans Hoosemans. For Press and Information Mr. André Guèry. *Overseas Dept.:* Director Mr. Franz Zoete. *Technical Dept.:* Director General Mr. Fernand Mortiaux. Asst. Director General Mr. Georges Hansen. *Foreign Relations* Mr. M. Swaenepoel.

STATIONS:
French Network.

Brussels I	620 kc/s	483.9	m	20 kW
Brussels III	1124 –	266.9	–	10 –

Flemish Network.

Brussels II	926 kc/s	323.9	m	20 kW
Brussels IV	1511 –	198.5	–	5 –

Short Wave Stations.

Ruyselede	17845 kc/s	16.82	m	5 kW

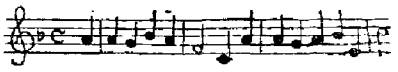
DAILY PROGRAMMES in French:
Brussels I: *Weekdays:* 05.30–09.00, 11.00–23.00. *Sun:* 05.30–23.00.
News: 06.00, 07.00, 12.00 ,18.45, 21.00, 21.55.
Symphony: Wed. 19.00. – *Play:* Thurs. 19.00. – *Variety:* Fri. 19.00. – *For Troops:* Sun. 16.30, Weekdays 17.00. – *Music:* Daily 05.30, 06.10, 08.10, 11.05, 19.00, 21.15, 22.00.
Brussels III: Relay from Walloon Regional Studios: Hainaut, Liége, Namur, Luxembourg.
Weekdays: 09.00–18.15, 19.00–23.00. *Sun:*. 08.00–18.30, 19.00–23.00. *Programs in German:* Weekdays 18.15–18.45.

DAILY PROGRAMMES in Flemish:
Brussels II: *Weekdays:* 05.30–09.00, 11.00–23.00. *Sun.:* 05.30–23.00. –
News: 06.00, 07.00, 08.00, 12.00, 18.00, 21.00, 22.00.
Symphony: Fri. 19.30. *Bel Canto:* Sun. 13.00. – *Music:* 05.30, 06.10, 07.15, 08.05, 11.00, 12.15, 16.15, 18.30, 21.15. *For Troops:* Daily 17.30.
Brussels IV: Relay of Flemish Regional Studios: Courtrai, Antwerp, Ghent, Hasselt: Daily 09.00(Sun. 08.00)–23.00.

DAILY PROGRAMMES on short wave from Ruyselede: Programs and information to be monitored for use on short wave by OTC and OTM.
On 16.85 m from 16.00–17.00 and from 21.00–22.00.

Announcement: "Ici Radiodiffusion Nationale Belge". In *Flemish:* "Belgische Nationale Radio-Omroep" – For *Ruyselede:* "Allo Leopoldville – Ici Bruxelles Emission Mondiale del' I.N.R.".
Interval-Signals: Brussels I: Extract from Grétry's famous melody "Où peut-on être mieux".

Brussels II: The first movement of "Beiaardlied" (Extract from Rubens' cantata by Peter Bénoit).



Verification by letter.

BULGARIA

Address: Direction de la Radiodiffusion Sofia, Bulgaria.
Stations:

Sofia II	593 kc/s	506 m	60 kW
Sofia I	826.9 –	362 –	100 –
Stalin (Varna)	1124 –	266.9 –	5 –
Stara Zagora	1223 –	245 –	20 –

Short Waves 100 kW.
6070 kc/s 49.42 m – 7670 kc/s 39.11 m
9700 – 30.93 – – 15330 – 19.57 –
DAILY PROGRAMMES in Bulgarian:
Home Service:
On 362 m. W.: 03.55–08.00, 09.55–14.00, 15.25–21.00. Sun.: 04.25–08.30, 09.55–14.00, 14.55–21.00.
On 506 m. W.: 14.55–21.00. Sun.: 08.30–10.00, 14.00–21.00.
Foreign Broadcasts:
English: 20.00, 21.00, on 6070, 15330 kc/s, 01.00, 04.00 (to North America) on 15330 kc/s.
French: 20.30, 21.30 on 6070 kc/s.
German: 20.15 on 6070 kc/s.
Italian: 19.00, on 7670 kc/s – 20.15 on 6070 kc/s.
Greek: 16.30, 18.30 – – –
Turkish: 16.00, 17.45 – – –
Announcements: *Opening:* A Bulgarian march and "Govori Sofia, Govori Sofia". In *French:* "C'est Sofia qui parle". In *English:* "This is Radio Sofia Calling".
Verification by QSL-card or letter.

CZECHOSLOVAKIA

Address: Ceskoslovensky rozhlas, Praha XII, Stalinova 12.
Stations: *Long and Medium Waves*

	kc/s	m	kW
Prague	638	470.2	120
M-Network			
Prague	272	1102.9	10
Brno-Dobrochov	953	314.8	100
Melnik	1286	233.3	100
R-Network			
Plzen	1520	197.4	15
Ceske Budejovice	1520	197.4	5
Ostrava	1520	197.4	20
Karlovy Vary	1520	197.4	15
Bratislava	1097	273.5	150
Kosice I	1232	243.5	100
Usti nad Labem	1484	202.2	0.5
Liberec	1484	202.2	0.5
Hradec Králové	1484	202.2	0.5
Banska Bystrica	701	427.8	25
Kosice II	701	427.8	2

Short Waves (30 kW)

	kc/s	m
OLR2A	6010	49.92
OLR	6095	49.22
OLR2D	6170	48.62
OLR3B	9504	31.57
OLR3A	9550	31.41
OLR4B	11760	25.51
OLR4A	11840	25.34
OLR4C	11875	25.26
OLR5B	15320	19.58
OLR6A	17830	16.83

HOME SERVICE:
272 kc/s: 03.30–23.10 Czech. Trade Union News: 05.45.

Denmark

638 kc/s: 03.30–23.10 Czech. News: 05.00, 06.00, 11.30, 15.00, 21.30, 23.00. – News Reel: 04.00, 18.00.
953 kc/s: 03.30–23.10 Czech. Trade Union News: 05.45.
1097 kc/s: 04.00–22.00 Slovak. News: 05.00, 06.00, 11.30, 21.30. News Reel: 04.00, 18.00.
1232 kc/s: 04.00–19.05 Slovak.
1286 kc/s: 03.30–19.15 Czech. Trade Union News: 05.45.
1484 kc/s: 10.55–19.05 Czech.
1520 kc/s: 03.30–23.10 Czech.
Highlights: Light Programme for Working People: Sun. 19.00–21.00 on 953 kc/s. Symphony: Daily 22.00–23.00 and Mo. 19.00–20.30 on 638 kc/s.

FOREIGN SERVICE

Czech:
01.00–01.30 (USA) 9550, 11875

English:
12.15–12.45 11840 (S.11875) 15320 (S.9550).
19.00–19.30 6170 (S.9550), 11875.
21.00–21.25 6170 (S.9550), 11875.
23.00–23.30 1286.
00.30–01.00 (USA) 9550, 11875.

French:
20.30–21.00 1286.
21.30–22.00 1286, 9504.
22.30–23.00 1286.

German:
17.00–17.15 6095, 9504.
18.15–18.30 9504, 11840.
20.00–20.30 (F) 1286.
22.40–23.00 (Austria) 701, 1097.

Greek:
11.00–11.15 11875 (S.11875)
11.15–11.45 15320 (S.9550)
16.30–16.45 9504, 11840,
20.15–20.30 6170 (S.9550) 11875.

Italian:
06.30–07.00 9504, 11875.
22.30–23.00 9504, 9550.

Macedonian:
11.00–11.15 11840 (S.9550).

Music:
11.45–12.15 (E) 11840 (S.11875), 15320 (S.9550).
15.15–15.30 9504, 11840.
16.45–17.00 9504.
17.15–17.30 9504.
18.15–18.30 9504, 11840.
18.30–19.30 1286.
22.00–22.30 (F) 1286.
E = English announcement.
F = French announcement.

Norwegian or Swedish:
20.00–20.15 6170 (S.9550), 11875.

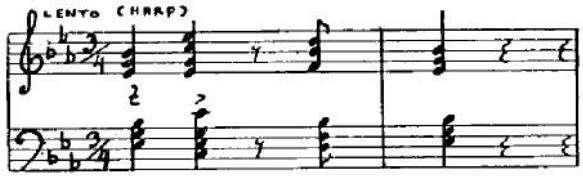
Serbian:
04.15–05.15 6010, 9504.
05.15–05.55 9504.
15.30–16.00 9504, 11840.
16.00–16.30 9504.
17.30–18.00 9504, 11840.
22.00–22.40 701.
23.00–23.30 701, 1097, 1232.
23.30–24.00 9504.

Slovenian:
16.00–16.30 11840.
22.00–22.40 1097.

Spanish:
06.00–06.30 9504, 11875.
18.30–18.55 9504, 11840.
20.30–21.00 11875.
22.00–22.30 6170 (S.9550), 9504.
23.00–23.30 9504.
00.00–00.25 9504.

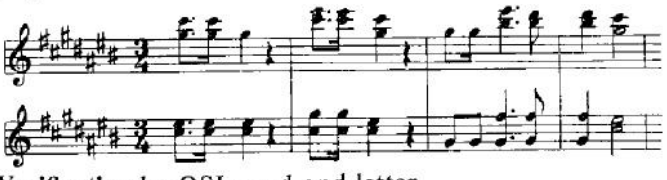
Russian:
09.00–09.30 11760.

Announcements: "Prague calling...".
Interval-Signal: *Prague:* The beginning of the symphonic poem "Vysehrad" by Smetana, played on a harp:



M-Network: Fanfare of the March "The New Life" by Josef Suk, played on the trumpet:

Bratislava: Fanfare of a march "Pochod" by Ján Cikker, played on three trumpets.
Brno: The beginning of the folk song "Moravo, Moravo", played on a carillon:



Verification by QSL-card and letter.

The Danish Short Wave Davision. Second row from left: Lorenzo Aabye (Spanish announcer to South America), Marianne Linard (American announcer), Olaf Becker, Dr. Jens Rosenkjær (Chief of short wave department), Elena Vollquartz, Gerda Pullen, Peer Møller (Danish announcer). First row from left: Dick Platt (English announcer to the East), Aksel Torgard (Faroese announcer), Ib Wiedemann (secretary), Vagn Aage Skovgaard.

DENMARK

Address: The Danish State Radio, Radiohuset, Rosenørnsallé 22, Copenhagen.
Leading Personalities: Director, Mr. F. E. Jensen. Chief of Administration, Mr. A. C. Nielsen. Chief of Music Department, Mr. Kai Aage Bruun. Chief of Talks Department, Mr. Arne Fog Pedersen. Chief of Drama Department, Mr. Henning Rohde. Chief of O.B. (Outside Broadcasts), Mr. Aksel Dahlcrup. Chief of Information Department, Mr. Paul Berg. Chief of News Department, Mr. N. Grunnet. Chief of Short Wave Department, Mr. Jens Rosenkjær. Chief of Entertainment Department, Mr. Svend Petersen. Chief of Television, Mr. Jens Fr. Lawaetz. Chief of Technical Department, Mr. Fr. Heegaard.
Stations: I = 1st programme, II = 2nd programme.

	kc/s	m	kW
Kalundborg I Progr.	245	1224	60
Kalundborg II Progr.	1061	283	100/60
Herstedvester	1430	210	15
Skive II Progr.	1430	210	100/70
Copenhagen I Progr.	1484	202	2
Aalborg II Progr.	1484	202	0.25
Tønder II Progr.	1484	202	0.25
Esbjerg II Progr.	1594	188	2

Denmark Lorenzo Aabye Marianne Linard Olaf Becker Jens Rosenkjaer Elena Vollquartz Gerda Pullen Peer Moeller Dick Platt Aksel Torgard Jb Wiedemann Vagn Aage Skovgaard

Shortwaves:	kc/s	m	kW
Herstedvester	7260	41.32	50
Herstedvester	9520	31.51	50
Herstedvester	15180	19.76	50
Herstedvester	15320	19.58	50
Copenhagen FMI	90.7 mc/s	3.31	5
Copenhagen FMII	96.5 –	3.12	5

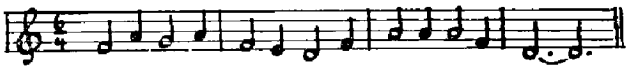
Television: 625 lines, 25 interlaced frames per second, negative modulation, vision carrier 62.25 mc/s (4.81 m), FM sound carrier 67.75 mc/s (4.43 m). Programmes broadcast three times a week on Tuesdays, Thursdays and Saturdays 19.00–20.00.

HOME SERVICE

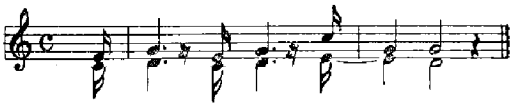
1st Program: W: 05.15–05.20, 05.50–08.15, 10.50–13.00 (Sat. 22.00), 14.00 (Mo. Thurs. 14.30)–22.00. Sun.: 07.00–22.00.
News: 05.15(W), 07.00, 11.30, 17.45, 21.00.
Weather: 07.45, 10.55, 16.10(W), 17.20(S).
Topical: 18.00(W). *Records:* 06.35(W).
Morning Service: 07.30(W). *High Mass:* 09.00(S).
Concert: 11.00(W). *Classical Concert:* 08.00(S).
Symphony: Thurs. 19.00. *Request Program:* 11.00(S).
Play: Tues. 18.45. –
The 1st programme is relayed on 7260 kc/s daily at 17.40–21.15.

2nd Program: Sun. 08.00–11.00. Daily: 18.15–21.00.
Sunday Concert: 18.15(S). *Language by Radio:* 09.20–09.40(S). 18.15–18.55 (Mo. Wed. Thurs.). *Records:* Sat. 20.00.

Announcement: "Danmarks Radio Program I (Program II").
Interval-Signal: *Programme I:* From an old Danish folksong:



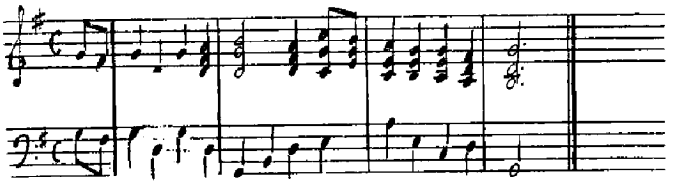
Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.
Programme II:



OVERSEAS SERVICE:
NA=North America. SA=South America. FE=Far East. Au=Australia. NZ=New Zealand. FI=Faroe Islands. IM=India, Malaya. HS=Home Service. DS=Danish Ships. ME=Middle East.

00.00–01.00 on	9520 kc/s	(SA)	Tues. Thurs. Sat.
01.00–01.20 on	9520 –	(DS)	Tues. Sat.
01.30–02.30 on	9520 –	(NA)	Daily.
02.30–02.50 on	9520 –	(DS)	Tues. Sat.
03.00–04.00 on	9520 –	(NA)	Daily.
04.00–04.20 on	9520 –	(DS)	Tues. Sat.
09.00–10.00 on	15180 –	(FE, Au, NZ)	Tues. Sat.
10.00–10.20 on	15180 –	(DS)	Tues. Sat.
13.00–14.00 on	15320 –	(IM)	Tues. Sat.
14.00–14.20 on	15320 –	(DS)	Tues. Sat.
14.00–15.00 on	7260 –	(FI)	Sundays.
17.00–17.20 on	9520 –	(DS, ME)	Tues. Sat.
17.40–21.15 on	7260 –	(HS)	Daily (omni directional).

Programmes consist of News in Danish, Danish Music and Songs, Talks and Features about life in Denmark and Reportages. Every day except Fri. and Sun. parts of North American programmes are presented in English. On Wed. 00.30–01.00 30 min. special programme in Spanish (to South America). Every transmission begins with the chimes of the Town Hall, followed by the National Anthem.
A special **DX-bulletin** is broadcast on Tues. at the end of the two North American programmes.
Interval-Signal: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



Announcement: "Danmarks Kortbølgesender". – "This is the Danish shortwave transmitter".
Message to Listeners: The Danish State Radio is anxious to receive reports on programmes and on reception conditions from all parts of the world. It makes every endeavour to get into touch with country-men and listeners in countries abroad with a view to providing the best possible short wave service.
Verification: Reports answered by letter or QSL-card.

REPUBLIC OF EIRE

Address: "Radio Eireann", G.P.O. Dublin.
Leading Personalities: Director, Mr. Charles Ed. Kelly. Deputy Director: Mr. R. O. Farachain.

Stations:	kc/s	m	kW		kc/s	kW
Athlone	566	530	100	Athlone	15120	1.5
Dublin	1250	240	1	Athlone	17840	1.5
Cork	1250	240	1			

Daily Programmes in *Irish & English:* Daily: 13.00–14.30, 17.30–23.00. Sun. also 10.30–11.15. (May–Oct. one hour later.)
News: I=Irish. E=English.
W: 13.30(E), 18.30(E), 21.55(I), 22.10(E). Sun: 18.30(E), 22.00(E). – The evening news are also transmitted on s.w.
High Mass: Sun. 10.30–11.15 (May–Oct. 9.30–10.15).
Symphony: Tues. Fri. 20.00. *Information please:* Thurs. 20.00.
Announcement: "Radio Eireann".
Interval-Signal: Opening bars of "O'Donnell Abú".
Verification by letter.

FINLAND

Address: OY Yleisradio Ab., Fabianinkatu 15, Helsinki. – *Cable:* Yleisradio – For listeners reports: OY Yleisradio Ab., Information Department.
Leading Personalities: General Manager Mr. Einar Sundström. Second Director, Mr. Onni Toivonen. Director of Finnish Programmes, Mr. Jussi Koskiluoma. Director of Swedish Programmes, Mr. Ragnar Ölander. Technical Director and Chief Engineer, Mr. Juho Rissanen.

Stations: Long and medium waves.

Lahti	254 kc/s	1181 m	150	kW
Oulu (Uleåborg)	433 –	693 –	10	–

Joensuu	520 kc/s	577 m	1	kW
Helsinki I (Helsingfors)	557 –	539 –	100	–
Kuopio	755 –	397 –	20	–
Turku I (Åbo)	962 –	312 –	40	–
Vaasa (Vasa)	1241 –	242 –	10	–
Helsinki II	1484 –	202 –	1	–
Pietarsaari (Jakobstad)	1484 –	202 –	1	–
Pori (Björneborg)	1484 –	202 –	1	–
Tammisaari (Ekenäs)	1484 –	202 –	0.2	–
Tampere (Tammerfors)	1484 –	202 –	1	–
Turku II	1484 –	202 –	0.2	–
Hanko (Hangö)	1594 –	188 –	0.2	–
Karjaa (Karis)	1594 –	188 –	0.2	–

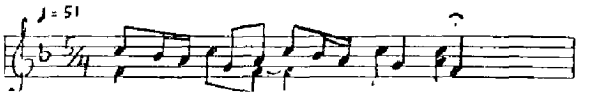
Short waves:

Pori OIX7	49.02 m	6120 kc/s	10 kW
Pori OIX2	31.40 –	9555 –	15 –
Pori OIX4	19.75 –	15190 –	100 –
Pori OIX5	16.85 –	17800 –	15 –

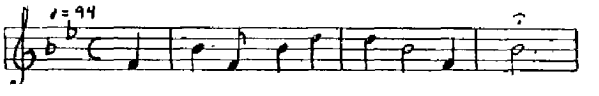
DAILY PROGRAMMES on Long and Medium Waves. Lahti (Finnish), Helsinki (Finnish and Swedish).
Weekdays: 04.30–06.20, 08.50–12.10, 15.00–21.00.
Sun.: 05.45–21.00.
News in Finnish: 04.30(W), 06.00(W), 06.30(S), 10.30, 17.00, 20.00. *News in Swedish:* 04.45(W), 06.10(W), 06.40(S), 10.40, 17.15, 20.10. *Press Review:* In Finnish 10.15. In Swedish 14.45 (Mo. Thurs.). *Program Preview:* In Finnish 08.50(W), 09.25(S). In Swedish 08.55(W), 10.55(S). *Actuality:* Swedish: 20.20(Wdns). – *The Bells of Åbo Cathedral:* 10.00(W). – *Daily Mirror:* Finnish: Daily 17.15. – *Swedish by Radio.* Finnish: Thurs. 16.00. – *Russian by Radio.* Finnish: Thurs. 16.10. – *English by Radio.* Finnish: Mo. Fri. 15.55. – *Scandinavian Review.* Finnish: Mo. 17.40. – *Jazz:* Tues. 15.00. – *Review from London.* Finnish: Every other week. Tues. 17.30.
Topic of the Week. Finnish: Wed. 12.00.–*Listeners' Choice:* Sat. 15.00. – *Night Concert:* Sat. 20.20. – *Dance Music:* Sat. 21.00.

Highlights of Programmes: The principal concerts of the Radio Orchestra are on *Sundays, Tuesdays* and *Thursdays,* the times varying between 18.25 and 20.00. On *Fridays* at 18.05 we broadcast the symphony concert by the Helsinki Town Orchestra and on *Sundays* at 14.00–15.00 a popular concert by the same orchestra. These concerts take place from the beginning of September till the end of May.
DAILY PROGRAMMES ON SHORT WAVES
03.00–04.20. *Finnish,* on 31.40, 19.75, 16.85 m for USA.
04.20–05.00 *Swedish,* (Mon. Finnish) on 31.40, 19.75, 16.85 m for USA.
04.30–06.10 and 08.50–12.10 Same programmes as Lahti, not directional on 49.02 m. Lahti progr.
11.40–12.15 Finnish and Swedish on 19.75 m.
12.15–12.25 English on 31.40, 19.75, 16.85 m for Europe. News and review of the Finnish press. (On weekdays only).
12.25–13.00 Finnish on 31.40, 19.75, 16.85 m for Europe.
13.00–13.10 French on 19.75, 16.85 m for Europe. Review of the Finnish press. (On weekdays only).
15.00–21.00 Finnish on 49.02 m. Lahti program.
Announcements: *Finnish Progr.:* "Suomen from Yleisradio" followed by program announcement from all stations. *Finnish and Swedish Programme:* "Suomen Yleisradio, Finlands Rundradio" from Helsinki, Åbo, Vasa and Jakobstad.
Interval Signals: Every weekday at 08.45: Normal-a.

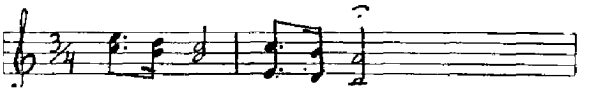
Lahti: A fragment of the song "Tavastland" by Palmroth before transmission from the Lathi Studio.
Lahti and **Helsinki:** The interval signal is based on an old Finnish Melody "Kantelemelody".



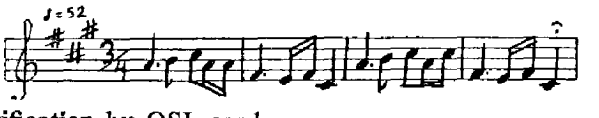
Åbo: A fragment of the anthem of St. Henriks.
Vasa: The first notes of "Vasa March" by Karl Collan



Kuopio: The first notes of a well-known song about the beauty of "Kallavesi".



Uleåborg: Lapp yodelling.



Verification by QSL-card.

FRANCE

Address:
Les Services Centraux – Radiodiffusion Française, 107, Rue de Grenelle, Paris 70. *Cable:* Radiodiffusion Paris Telex.
Les Services Régionaux – Direction Régionale de la Radiodiffusion Française, 36, Bld. de la Liberté, Lille. – 2, Cours de Tournon, Bordeaux. – 20, Quai Gailleton, Lyon. – 34, Rue Croix-de-Régnier, Marseille. – 6, Rue Hippolute Maringer, Nancy. – Palais du Commerce, Rennes. – Villa Greiner, 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allée Jean-Jaurés, Toulouse.

Leading Personalities:
The Central Service: President of Superior Council, Mr. P. Rivet. Director General, Mr. W. Porche. Director of "Services Généraux", Mr. Tardas. Technical Director, Mr. Leschi. Director of Programmes, Mr. P. Gilson. Director of Television, Mr. Jean Arnaud. Director of The European and Overseas Services, Mr. Rollin. Director of "National Program," Mr. H. Barraud. Director of "Parisienne Program", Mr. Arno Charles Brun. Director of "Paris-Inter", Mr. Brechignac.
The Regional Services: Regional Directors:
Bordeaux: Mr. Dieuaide. – *Limoges:* Mr. Sudrie. – *Lyon:* Mr. Wadin. – *Marseille:* Mr. Besse. – *Nancy:* Mr. Villatte. *Rennes:* Mr. Favennec. – *Strasbourg:* Mr. Caussidery. *Toulouse:* Mr. Beral.

STATIONS:
National Network ("Rèseau Branley"). –

Strasbourg II	164 kc/s	1829.0 m	20	kW
Paris I	863 –	347.6 –	150	–
Bordeaux I	1205 –	249.0 –	100	–
Pau	1241 –	241.7 –	20	–
Clermont I	1241 –	241 7 –	20	–
Grenoble I	1241 –	241.7 –	20	–

Dijon I	1241 kc/s	241.7 m	20	kW
Poitiers	1241 –	241.7 –	1	–
Quimper	1241 –	241.7 –	20	–
Annemasse	1241 –	241.7 –	1	–
Montpellier I	1241 –	241.7 –	10	–
Nice III	1241 –	241.7 –	1	–
Toulouse II	1349 –	222.4 –	20	–
Lyon II	1349 –	222.4 –	20	–
Limoges II	1349 –	222.4 –	20	–
Nancy II	1349 –	222.4 –	10	–
Rennes II	1349 –	222.4 –	20	–
Montélimar	1349 –	222.4 –	1	–
Marseille II	1376 –	218.0 –	100	–
Saint-Brieuc	1484 –	202.2 –	0.05	–*)
Lille II	1493 –	201.0 –	20	–
Nantes I	1493 –	201.0 –	20	–

*) to be increased to 100 kW.

Parisienne Network. ("Rèseau Ferrié").

Lyon I	602 kc/s	498.4 m	100	kW
Paris III	674 –	445.0 –	10	–
Marseille I	674 –	445.0 –	20	–
Limoges I	710 –	422.0 –	100	–
Rennes I	791 –	379.2 –	100	–
Nancy I	836 –	358.9 –	20	–
Toulouse I	944 –	317.8 –	20	–
Strasbourg I	1160 –	258.6 –	20	–
Lille I	1277 –	234.9 –	100	–
Nice II	1403 –	213.3 –	20	–
Bordeaux II	1403 –	213.3 –	20	–
Louvetot I	1403 –	213.3 –	20	–
Montbeliard	1403 –	213.0 –	10	–
Nimes	1403 –	213.0 –	2	–
Montpellier II	1484 –	202.2 –	0.2	–

Paris Inter:

Paris II	1070 kc/s	280.4 m	100 kW
Nice I	1554 –	193 –	60 –

Stations syncronized on 1070, 1484 or 1594 kc/s.

	kW		kW		kW
Bordeaux III	1	Clermont II	1	Strasbourg III	2
Lille III	2	Grenoble II	0.05	Saint-Etienne	0.05
Lyon III	1	Dijon II	0.25	Toulouse III	0.25
Marseille III	1	Toulon	0.05	Perpignan	1
Nancy	1	Limoges III	1	Caen	0.05
Nantes II	0.05	Mulhouse	0.05	Rennes III	1
Besancon	0.05				

Short Wave Stations:

Allouis (Y and Z) 100 kW.

kc/s	m	kc/s	m	kc/s	m
21740	13.79	15100	19.87	9560	31.38
21640	13.86	11845	25.32	9550	31.41
17850	16.81	11700	25.64	7240	41.44
15400	19.48	9755	30.76	7160	41.89
15350	19.54	9680	30.99	6145	48.82
15240	19.68	9620	31.19	5965	50.28

Allouis (W2) 10 kW. 6200 kc/s 48.39 m *Allouis W1 100 kW.* 7280 kc/s 41.21 m

Television Stations:

Paris Tour Eiffel – 450 lines. *Sound:* 42000 kc/s, 7.14 m 5 kW. *Pictures:* 46000 kc/s, 6.62 m, 30 kW.

Paris Tour Eiffel – 819 lines. *Sound:* 174100 kc/s, 1.72 m, 0.5 kW. *Pictures:* 185.250 kc/s, 1.62 m, 3 kW.

Lille (Beffroi) – 819 lines. *Sound:* 174.100 kc/s, 1.72 m, 0.07 kW. *Pictures:* 185.250 kc/s, 1.62 m, 0.30 kW.

THE NATIONAL NETWORK

Weekdays: 05.30–08.00, 11.00–23.00. Sun.: 06.30–23.00

Weekdays: *News* 06.00, 12.00, 19.00, 22.45.

Daily:

06.30	Musical Master Pieces.	17.30	"Ici New York".
		18.30	"Paris vous parle".
07.00	"Heure de la culture Française".	20.45	"Tribune de Paris".
11.00	Chronicle and Music.		

Sundays: News 07.00, 08.05, 12.00, 22.45.

06.30	Music	16.15	Variety
08.30	Protestant Service	17.00	Symphony Concerts
09.00	Catholic Service	18.45	"Paris vous parle"
10.00	Music	19.15	Light Music
11.00	Variety	19.45	Prestige of Theatre
12.20	From a Theatre	20.20	Variety
14.30	Opera or Operette	21.30	Chamber of Music

Highlights of Programmes:

Concert by the National Orchestra: Mo. Thurs. 19.00. *Theatre:* Wedn. Sat. 19.30.

THE PARISIENNE NETWORK

Weekdays: 05.30–08.15, 11.00–21.35. **Sun.:** 07.00–22.30.

News 05.30, 07.00, 08.00, 19.00, 21.30.

05.45	A Year of Songs	11.30	Actuality of Paris
06.15	Music	12.00	Variety
06.30	"Gazette du Matin"	17.45	Records
06.45	A Year of Songs	18.00	"Ainsi va le monde"
07.30	The Women and the Home	18.10	Light Music
		19.30	Variety and Light Music
11.00	Variety		

Sun.: *News* 07.30, 19.00, 21.35, 22.25.

08.00	Music	17.00	Jazz Panorama
09.00	Variety	17.30	"Ici New York"
12.00	"Les Chansonniers"	18.15	"Petite Gazette du Theatre Française"
12.20	Variety		
		19.30	Variety

Highlights of Programmes:

Theatre: Thurs. 19.30. Sat. 13.30. *Variety:* D. exc. Thurs. 19.30. Tues. 19.30.

PARIS - INTER

Weekdays: 06.00–23.15. – **Sun.** 06.30–23.15.

News: 09.15, 10.15, 15.15. *Symphony:* Sun. 19.30, 20.30. Tues. 19.30. *Play:* Wedn. 21.00.

ANNOUNCEMENTS:

The National and the Parisienne Networks: At opening and close down: "La Marseillaise" General announcement: "Ici Paris Radiodiffusion Francaise, programme national (or "parisien")."

Paris Inter: "Ici Paris-Inter".

Lille: The first movements of the melody "Petit Quinquin".

Lyon: The first movements of the melody "Boeufs" by P. Dupont.

Marseille: The first movements of the Provençal Suite by Darius Milhaud.

Nancy: The first movements of "Marche Lorraine" followed by "Ici Radio Lorraine".

Rennes: The first movements of "Le clocher a jours" by Botrel

Strasbourg: The first movements of "Que notre Alsaçe est belle".

Toulouse: The first movements of "Montagnards" by Roland.

FOREIGN SERVICE

EUROPEAN SERVICE.

In German to Germany:
06.30–06.45 *Daily* on 6145 kc/s. *Weekdays* also on 164 kc/s.
11.00–11.30 *Sun.* only on 164 kc/s and 9560 kc/s.
11.15–11.30 *Weekdays* on 164 and 9560 kc/s.
18.00–18.45 *Daily* on 6200 and 7280 kc/s.
18.00–18.30 *Weekdays* on 164 kc/s.

In Spanish to Spain:
20.00–20.45 *D.* on 7160, 6200, 7280 kc/s.
22.05–22.50 *D.* exc. Sat. Sun. on 944 kc/s.

In Bulgarian to Bulgaria:
18.45–19.30 *D.* on 9560 kc/s.

In French to Danube, Balkan:
20.00–20.57 *D.* on 7160 kc/s. *D.* to *Tangier* on 5965 and on 9680 kc/s from *Tangier.*

In French to Middle East:
17.15–18.00 *D.* on 15350, 11845 kc/s.

In English to Great Britain:
08.15–08.30 *D.* on 6145 and 7240 kc/s.
13.00–14.00 *Sat. Sun.* on 7240 kc/s.
18.45–19.00 *D.* on 6200 and 7280 kc/s.
22.05–22.50 *D.* exc. Sat. Sun. on 1277 kc/s.

In Finnish to Finland:
17.15–17.30 *D.* on 7240 kc/s.

In Greek to Greece:
11.30–11.45 on 15100 kc/s relayed by R. Athens.

In Hungarian to Hungary:
18.15–19.00 *D.* on 7160, 5965, 9620 kc/s.

In Polish to Poland:
17.30–18.00 *W.* on 1277 kc/s.
19.00–19.45 *D.* on 9620 and 7280 kc/s.

In Portuguese to Portugal:
08.00–08.15 *W.* on 6145 and 7240 kc/s.
21.00–21.45 *D.* on 7240 and 5965 kc/s.

In Rumanian to Rumania:
18.00–18.45 *D.* on 9560 kc/s.

In Czech and Slovak to Czechoslovakia:
19.00–20.00 *D.* on 7160 and 5965 kc/s.

In Serbo-Croat and Slovenian to Yugoslavia:
18.15–19.15 *D.* on 7240 and 9755 kc/s.

OVERSEAS SERVICE.

French
23.00–00.30 To Antilles, Guyana, et St. Pierre et Miquelon, on 9560 kc/s.
03.00–03.30 To Madagascar, Réunion, Comores, Côte, Française des Somalis on 11845 kc/s.
04.30–05.30 To Tahiti and Iles Marquises on 9550, 17850 kc/s.
05.45–06.45 To A.O.F. and A.E.F. on 17850 kc/s and 15240 kc/s
07.00–07.45 To Nouvelle Calédonie and Nouvelle Hébrides on 17850, 15240 kc/s.
10.30–11.00 To Antilles, Guyana and St. Pierre et Miquelon on 17850 kc/s.
12.15–14.30 To Indochine on 15400 and 21640 kc/s.
15.15–16.15 To Madagascar, Réunion, Comores, Côte Française des Somalis on 15350, 17850 kc/s.
15.45–16.00 (Mo. to Fri.). To Canada on 17850, 15350 ks/s.
19.00–20.30 To A.O.F. and A.E.F. on 11700 and 15240 kc/s.
21.30–22.00 To Indochine on 9680 kc/s.

Spanish
23.00–23.15 to Latin America on 11700/9560 kc/s.
Programmes consist of: News, Press Review, Talks, Music.
* AOF = French West Africa. AEF = French Equatorial Africa.
Announcement: "Allô . . . (name of area) Paris vous parle".
Verification by QSL cards.

GERMANY

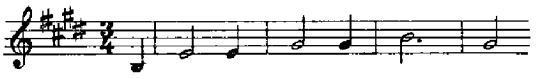
GERMAN FEDERAL GOVERNMENT
BUNDESREPUBLIK DEUTSCHLAND

BAYERISCHER RUNDFUNK (Am. Zone).
Address: Der Bayerische Rundfunk, Anstalt des offentlichen Rechts, München 2, Rundfunkplatz 1. *Cable:* "Rundfunk".
Leading Personalities: Intendant, Mr. Rudolf von Scholtz. Director of Programmes, Mr. Rudolf Schneider Schelde. Chief Engineer, Mr. Friedrich Zackel. Director of Administration, Mr. Dr. A. F. Schmitt. Studio Controller, Mr. Otto Freundorfer.

Stations:	kc/s	m	kW		kc/s	m	kW
Munich	800	375.0	100	Nürnberg	1602	187.3	20*
Hof	962	311.9	0.4	Munich	6160	48.70	10

*) 1952: 40 kW.
Coburg, Kempten. Passau, Regensburg, Weiden. Würzburg, Landshut: 1484 kc/s 202 m 0.4/2 kW.

DAILY PROGRAMMES (in German):
W: 04.30–08.45, 10.15–24.00. Sun: 05.00–24.00.
News: 05.00(W), 05.45(S), 06.00(W), 07.00(W), 08.00, 12.00, 16.00(W), 18.45, 21.15, 23.00.
"*Kommentar der Woche*": Sat. 19.00. "*Politik aus erster Hand*": Wed. 19.00. "*Nachtkonzert*": Tues. 22.00–23.00. Modern music with announcements in German, English and French.
Announcement: "Hier ist der Bayerische Rundfunk".
Interval-Signal:



Verification by QSL-card.

RADIO BREMEN. (Am. Zone).
Address: Heinrich-Hertz Strasse 13, Bremen.
Stations:

Bremen	1358 kc/s	221.0 m	20 kW
Bremerhaven	1304 –	230.0 –	1 –

Daily Programmes: Mo.–Fri. 05.30–08.35, 11.00–13.35, 15.00–22.00. Sat. 05.30–08.35, 11.00–22.00. Sun. 06.00–22.00. *News:* 06.00(W), 07.00, 08.00(W), 11.45, 15.45(W), 18.45, 22.00. "*Rundschau*": 11.30, 18.30(W). – "*Niederdeutsche Heimatsendungen*": Mo. 19.00, Thurs. 17.30, Sat. 13.10.
Announcement: "Hier ist Radio Bremen".
Interval-Signal: The notes B, D, E (si-re-mi).
Verification by letter.

HESSISCHER RUNDFUNK (Am. Zone).
Address: Hessischer Rundfunk (Anstalt des öffentlichen Rechts), Bertramstrasse 8, Frankfurt/Main.
Leading Personalities: Intendant Mr. Eberhard Beckmann. Sub. Intendant Mr. G. Michelmann. Administra-

Hessischer Rundfunk: Quiz London – Frankfurt every second Saturday 19.30 – 20.00: Mr. Hans Otto Grünefeldt – Picture in photo shows: Miss Barbara McFadyean, BBC London, who takes part in this broadcast. *Süddeutscher Rundfunk:* (left): Announcer Miss Vera Falkenthal.

tor Mr. Hans Schmorl. Chief Engineer Dr. F. Miseré. Studio Controller Mr. Hans-Otto Grünefeldt. Programmereferent Mr. Wolfhart Müller. Chief for Press Dept. Dr. E. Kurt Fischer.

Stations:

	kc/s	m	kW		kc/s	m	kW
Frankfurt	593	505.8	100	Fritzlar	917	327.1	5
Kassel	1594	188.2	0.3	Frankfurt	6190	48.47	1.5

Daily Programmes on all frequencies: 04.30 (Sun. 05.00) – 23.05 (Sat. 24.00). *News:* 04.30. (W), 05.30 (W), 06.00 (Sun.), 07.00 (W.), 08.00 (W.), 11.45, 18.15, 21.00. 23.00. *The Voice of America:* D. 18.00. *News from Germany.* Weekd. 16.45. – *Quiz London-Frankfurt:* Sat. every two weeks 19.30–20.00. – *Opera or Symphony:* Wed. 19.05–21.00. – "*Strömungen der modernen Kultur*": Tues. 21.20–23.00.

Announcement: "Hier ist Frankfurt" or "Hier ist der Hessische Rundfunk".

Interval Signal: Motif from Humperdinck's Opera "Königskinder" (Waldhorn).

Verification by QSL-card. –

RIAS. (Am. Sector).

Address: Berlin-Schöneberg, Kufsteiner Strasse 69.

Leading Personalities: Director RIAS, Mr. Fred. G. Taylor jr. Deputy Director RIAS and Political Chief, Mr. Gordon A. Ewing. Comptroller Mr. W. H. Shervin. Director of Programmes, Dr. Ruth Gambke. Chief of Music, Professor Elsa Schiller. Political Director, Mr. Eberhard Schütz. Chief of Administration, Mr. Hans Weber. Technical Director, Mr. Albert Poesniker. Chief of Public Relations, Mr. Wilhelm Ehlers.

Stations:					
	Hof	683 kc/s	439.2 m	40 kW
	Berlin	989 –	303.3 –	100 –
	Berlin	6005 –	49.96 –	20 –

Daily Programmes in German: 04.00–02.00.
News: 04.00, 04.30, 05.30, 06.30, 07.30, 11.30, 12.30(W), 15.30, 17.01(W), 18.30, 21.00, 23.00, 24.00, 01.00, 01.55.
Programmes for USSR Zone: W: 04.35, 06.20, 11.20, 12.40, 18.45. Sun: 06.00.
"*Geläut der Freiheitsglocke*": Daily 17.00, 02.00. – "*Die Zeit im Funk*": W: 17.04.
"*Die Parteien haben das Wort*": Fri. 20.15. Sat. 16.40. *From Parliament in Bonn:* Sun. 09.30. Sat. 21.20. Thurs. 21.15. "*Europäische Sendung*" (music, talk): Sun. 17.00. "*Die Funk-Universität*": Mo. Tues. 22.00. "*Das Wissenschaftliche Tagebuch*": Wed. 22.10.
"*Junge Menschen aus der freien Welt sprechen zur Jugend der USSR Zone*": Mo. Wed. Thurs. Sat. 05.15.
"*Schlager der Woche*": Fri. 19.06. "*Mach-mit*": Tues. (fortnightly) 19.06.
"*Günter Neumann und seine Insulaner*": 1st Sun. every month 19.00. *Symphony:* Mo. 19.00.
"*Berliner-Melodien*": Tues. 19.06 (fortnightly).
"*Es geschah in Berlin*": Thurs. 20.00 (fortnightly).
"*Lieder der Heimat*": Tues. 20.20 (fortnightly).

Announcement: "Hier ist RIAS-Berlin".

Interval-Signal:

Verification by letter.

SÜDDEUTSCHER RUNDFUNK (Am. Zone).

Address: Süddeutscher Rundfunk, Neckarstrasse 145, Stuttgart. – *Cable:* Rundfunk Stuttgart.

Leading Personalities: Intendant Dr. Fritz Eberhard. Director of Programs Dr. Peter Kehm. Administrator Mr. Friedrich Müller. Chief Engineer Dr. Helmuth Rupp. Chief Editor Mr. Hans Küffner. Chief for Studios Mrs. Cläre Schimmel.

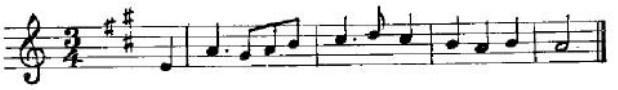
Stations:	kc/s	m	kW
Mühlacker 1. Progr.	575	522	100
Bad Mergentheim, 2. Progr.	890	337.1	1
Heidelberg-Dossenheim, 2. Progr.	998	300.6	5[1])
Ulm-Jungingen, 2. Progr.	1169	257	5
Mühlacker, 1. Progr.	6030	49.75	20

[1]) to be increased to 20 kW.

Daily Programmes in *German:*
1st Programme: 03.55(Sun. 05.00)–23.05 (Sat. Sun. Thurs. 24.00). Relayed by all FM-stations.
News: 04.55(W), 05.55(W), 06.55, 11.45, 18.50, 21.00. 23.00. – "*Voice of America*": 17.45(W). *Südwestdeutsche Heimatpost:* 16.45(W). "*Radio Play*": Wed. 19.05, Sun. 16.00. "*Das Nachtkonzert*": Sat. 23.05. "*Die schöne Stimme*": Sat. 21.10.
2nd Programme: MW-Stations for 2nd Programme relay 1st Programme from 14.00.
"*Abendmelodie*": Daily 17.30–18.00, 18.30–19.05.

Announcement: "Süddeutscher Rundfunk".

Interval Signal:



Verification by letter.

Future-Plans: 5 kW medium wave station in Heilbronn and Television in Stuttgart in 1952.

Germany Hans Otto Grünefeld Barbara McFadyean Vera Falkenthal

Germany

AMERICAN FORCES NETWORK (Am. Zone).
Address: A.F.N. Headquarters, APO 757, U.S. Army.
Leading Personalities: Chief AFN, Colonel Philip M. Johnson. Chief Operations, Mr. Louis Adelman. Technical Supervisor, Colonel Loren E. Gaither. Programme Supervisor, Mr. Emil Shwetzer. Public Relations, SFC Ferd Stauch.

Stations:	kc/s	m	kW	
Munich	548	547.4	50	05.00–23.00
Berlin	611	491.0	1	05.00–23.00
Fritzlar	611	236.6	0.35	05.00–23.00
Bayreuth	665	451.2	10	05.00–23.00
Nürnberg	728	412.0	0.35	05.00–23.00
Bremerhaven	854	351.0	1	05.00–23.00
Fulda	854	351.0	0.35	16.00–23.00
Frankfurt	872	344.0	150	05.00–23.00
Ansbach	1034	290.2	0.35	05.00–23.00
Bad Kissingen	1034	290.2	0.35	16.00–23.00
Bremen	1034	290.1	0.35	05.00–23.00
Garmisch	1034	290.2	0.35	16.00–23.00
Hof	1034	290.2	0.35	16.00–23.00
Kassel	1034	290.1	0.35	16.00–23.00
Stuttgart	1106	271.2	100	05.00–23.00
Coburg	1142	262.7	0.35	16.00–23.00
Fuessen	1142	262.7	0.35	05.00–23.00
Hersfeld	1142	262.7	0.35	05.00–23.00
Würzburg	1142	262.7	0.35	05.00–23.00
Bamberg	1223	245.3	0.35	05.00–23.00
Berchtesgaden	1223	245.3	0.35	05.00–23.00
Eschwege	1223	245.3	0.35	05.00–23.00
Giessen	1223	245.3	0.35	05.00–23.00
Heidelberg	1223	245.3	1	05.00–23.00
Regensburg	1223	245.3	0.35	05.00–23.00
Sonthofen	1223	245.3	0.35	05.00–23.00
Giessen	5470	55.03	0.35	05.00–23.00
				05.00–23.00

News: 05.30, 06.15(W), 09.00, 11.00, 13.00(W), 15.00(W), 17.00(S), 17.15(W), 20.00(S), 21.55(W), 22.55.
Guest Star: Sun. 06.45. – *This World This Week:* Sun. 12.30, Sat. 21.45. – *This is Europe:* Sun. 16.00. – *Air Force Hour:* Sun. 19.00. – *Twenty Questions:* Sun. 20.05. – *Hymns From Home:* Sun. 15.00, Weekdays exc. Sat. 07.45. – *Hillbilly Gasthaus:* Weekdays exc. Sat. 14.00. – *Club Fifteen:* Weekdays exc. Sat. 17.00. – *AFN Spotlight on Sports:* Weekdays 17.30. – *Report from Europe:* Weekdays 20.00. – *AFN-Playhouse:* Weekdays exc. Sat. 21.05.
Announcement: "This is the American Forces Network serving American Forces in Germany".
Interval Signal: 6 "pips" every hour on the hour.
Verification by QSL-letter.

VOICE OF AMERICA RELAY STATION (American Zone)
Address: Voice of America, c/o American Consulate, Munich.
Stations:
Medium Wave: Munich 1196 kc/s 251 m 150 kW: 14.15–07.00.
Short Wave: 7.5/100 kW: 24 hours daily.

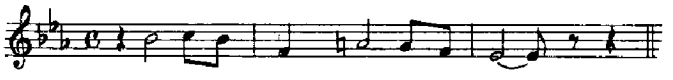
kc/s	m	kc/s	m	kc/s	m
6080	49.34	7250	41.38	11870	25.27
6100	49.18	9540	31.45	15210	19.72
6140	48.86	9635	31.14	15280	19.63
6170	48.62	9670	31.02	15340	19.56

Daily Programmes: See U.S.A.
Announcement: "This is the American Relay Station in Europe, broadcasting the Voice of America Programs".

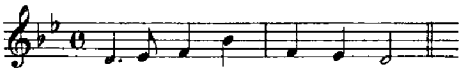
RADIO FREE EUROPE (Am. Zone).
Address: A division of the National Committee for a Free Europe, a group of American Citizens, 57th Street, New York 1, New York. U.S.A.
Leading Personalities: President National Committee for a Free Europe, Mr. C. D. Jackson. Director Radio Free Europe, Mr. Robert E. Lang. Deputy Director Radio Free Europe, Mr. Barry Mahool. European Director, Mr. Richard J. Condon.
Stations: m.w. = Munich. s.w. = Mannheim.
719 kc/s 417.2 m 135 kW.

kc	m	kW	kc	m	kW
6020	49.83	10	7165	41.80	10
6095	49.22	10	7300	41.09	10
6130	48.94	10	9607	31.22	7.5

DAILY PROGRAMMES
Czech Service.
719 *kc/s:* 04.00–07.15, 11.00–13.15, 16.00–24.00. *News:* 04.00, 05.00, 06.00, 08.00, 11.00, 12.00, 13.00, 16.00, 17.00+, 20.00+, 22.00+, 23.00+. (+ = *also on* 6020 *kc/s*).
Czech and Hungarian Services:
6020, 6095 kc/s: 04.00–24.00 Hungarian news hourly.
General Service in Czech, Hungarian, Polish, Rumanian, Bulgarian, Albanian.
6130, 7165, 7300 kc/s: 15.00–24.00.
Special Czech transmissions, commentary, repeats of medium wave Czech features:
9607 kc/s: 17.00–24.00.
News on 6095, 6130 kc/s: 15.50 Rumanian, 16.20 Bulgarian, 16.30 Czech, 17.18 Polish, 18.00 Albanian, 19.04 Bulgarian, 19.15, 21.30 Hungarian
Special Programmes on 6130 kc/s.
Rumanian "When Liberty Goes" feature: Sun. 15.30.
Bulgarian "European Army Buildup" feature: Sun. 16.10.
Polish "Letter Box 62-20" *feature:* Sun. 19.30 & 22.00.
Czech "Calling the CP" feature: Tues. 16.35.
Hungarian "Box 62-20" *feature:* Tues. 17.39 & 22.39.
Bulgarian "Commentary" feature: Wedn. 18.54 & 21.09.
Polish "Commentary" feature: Wedn. 19.39 & 22.00.
Rumanian "Commentary" feature: Thurs. 15.39 & 18.24.
Czech "Recorded Reportage" feature: Thurs. 16.35.
Hungarian "Commentary" feature: Thurs. 17.39 & 20.09.
Announcements: *Czech:* Sign on: "Vola hlas svobodneho Ceskoslovenska, stanice Svobodna Evropa". Sign off: "Rozhlasova stanice Svobodna Evropa konci nyni sve kazdodenni vysilani". – *English:* Sign on: "This is the voice of free Czechoslovakia, Radio Free Europe". Sign off: "Radio Free Europe ends now its daily broadcast". *Hungarian:* "Itt a Szabad Europa Radio, a Szabad Magyarorszag hangja".
Czech.:



Hungarian:



Slovak:

Verification by letter. Reports should be addressed to "Radio Free Europe", Munich 22, Englischer Garten 1, Germany or box 62-20, Munich, or 55 Avenue Foch, Paris, France.

NORDWESTDEUTSCHER RUNDFUNK (Br. Zone).
Address: Rothenbaumchausse 132/134, Hamburg 13.
Letters from Listeners: Dept. "Erforschung der Hörermeinung". *Nordwestdeutscher Fernsehrundfunk*, Hamburg, Hochbunker Heiligengeitsfeld. *NWDR Köln:* Köln/Rhein, Dahoberstr. 38. *NWDR Berlin:* Berlin-Wilmersdorf, Heidelbergerplatz 3. *NWDR Hannover:* Hannover Rudolf-von-Bennigsen-Strasse.
Studios: Bonn: Bundeshaus. Düsseldorf: Gartenstrasse 2. Dortmund: Märkische Str. 120. Flensburg: Friedrich-Ebert-Str. 1. Oldenburg: Oldenburg i. O., Ziegelhof.
Cable: "Nordfunk".
Leading Personalities: Director General, Dr. Adolf Grimme. Deputy Director General and Director of Technical Services, Dr. Werner Nestel. Director of Programmes, Dr. Werner Pleister. Administrator, Dr. Georg Hubrich. Justitiar, Dr. Hans Brack. "Leiter des Aussenreferats", Mr. Walter D. Schultz.
Funkhaus Hamburg: Intendant, Mr. Ernst Schnabel, Dr. Walter Hilbert. Funkhaus Köln: Intendant, Mr. Hans Hartmann. Studio-Controller and Deputy Intendant, Mr. Herbert Fischer. Funkhaus Berlin: Chief-Editor, Dr. Franz Rupp.

Stations:

Berlin NWDR	566	kc/s	530.0	m	5	kW	
Bonn	701	–	427.8	–	5	–	
Braunschweig	755	–	397.3	–	1.5	–	
Flensburg/Salzgotten	755	–	397.3	–	1.5	–	
Siegen	755	–	397.3	–	0.4	–	
Hamburg	971	–	309.0	–	50	–	
Langenberg	971	–	309.0	–	50	–	
Herford	1484	–	202.2	–	2	–	
Kiel	1484	–	202.2	–	2	–	
Norden/Osterloog	1484	–	202.2	–	2	–	
Göttingen	1484	–	202.2	–	2	–	
Hannover	1586	–	189.1	–	20	–	
Osnabrück	1586	–	189.1	–	5	–	
Oldenburg	1586	–	189.1	–	20	–	
Aachen-Stolberg	1586	–	189.1	–	2	–	
Norden(Ostfriesland)	7290	–	41.15	–	20/0.4	–	*
Norden	11795	–	25.43	–	20/0.4	–	**
Norden	17845	–	16.82	–	0.35	–	
Norden	17815	–	16.84	–	0.35	–	

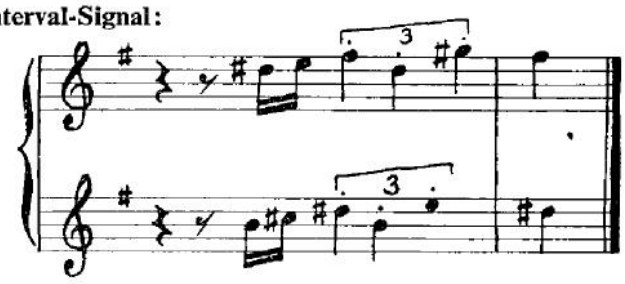
*) 7290 kc/s: 04.00–15.50 0.4 kW, 15.51–close down 20 kW.
**) 11795 kc/s: 04.00–15.50 20 kW 15.51 – close down 0.4 kW.
Exp. transmissions: 17845 kc/s: 04.00 (Sun. 05.00)–18.00). 17815 kc/s: D. 16.20–24.00.
Television: Experimental broadcasts from Hamburg. Picture 189.25. Sound 194.75. Power 10 kW. Summer 1952 also Langenberg 1 kW, Hannover 1 kW, Köln 1 kW.

Daily Programmes in German:
04.00(Sun. 05.00)–24.00(Sat. 01.00).
News: W. 04.00, 05.00, 06.00, 07.00, 07.55, 12.00, 16.00, 18.00, 20.45, 23.00. – Sun. 06.00, 08.00, 12.00, 18.00, 20.45, 23.00. – "*Hier spricht Berlin*": D. exc. Sat., Sun.: 18.15, 23.15. – "Die Marktrundschau": W. 04.50. – *Boerse:* Mo. Fri. 14.30.

Südwestfunk: Miss Inge Überall. Announcer entertainment broadcasts. *Nordwestdeutscher Rundfunk:* Director General Dr. h. c. Adolf Grimme (right).

Announcement: "Hier ist der Nordwestdeutsche Rnudfunk . . . (name of station).
Interval-Signal: Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, Cologne on two horns, Berlin on two clarinets and Hannover on two trumpets.

Interval-Signal:



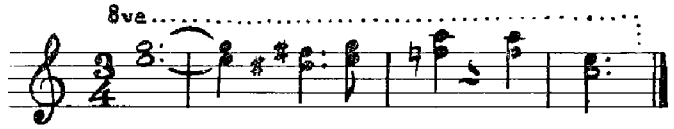
Verification by QSL-card or letter. Reports to be addressed to "Technische Hörerpost", Hamburg 13.

BRITISH FORCES NETWORK (B.F.N.)
Address: BAOR, Welfare Unit, BAOR3, Hamburg, Germany.
Leading Personalities: Station Director, Mr. D. L. Porter. Assistant Station Director, Mr. D. Scuse. Chief Engineer, Capt. S. B. Duke.
Stations:
Hamburg, Hannover, Langenberg 20 kW
Herford, Berlin 10 kW synchronized on 1214 kc/s.
Bonn 1367 kc/s 219.4 m 1 kW.
Daily Programmes in *English:* 05.30(Sun. 06.00)–23.00 (Sat. 24.00).
News: W: 07.00(BBC Home Service), 07.10 (From Germany), 08.00 (BBC Light Progr.), 11.45 (BAFO), 12.00 (BBC Home Service), 18.00 (Newsreel), 21.00, 22.56. Sun.: 08.00 (BBC Light Progr.), 08.10 (BAFO), 13.00 (BBC Home Service), 18.00 (Newsreel), 21.00, 22.56.
Highlights:
Two Way Family Favourites: Sun. 11.00. *Old Comrades:* Wedn. 12.15. *Seventeenhundred Club:* Daily exc. Wedn. 16.00. *Unit Call:* Daily 06.00. *Wakey Wakey:* Daily 05.30. *After You've Gone:* Daily 08.10.
As BFN shares its frequencies (1214 kc/s) with the BBC

Germany Inge Überall Adolf Grimme

Germany

Light Programme, BFN must take the Light Programme from one hour before sunset throughout the year in order to avoid mutual interference.
Announcement: "This is the British Forces Network".
Interval-Signal: "Moonlight on the Alster" played on the Celeste:



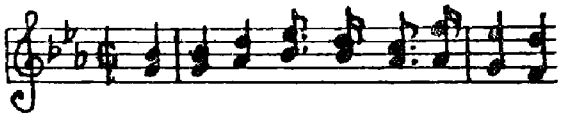
Verification by letter.

SÜDWESTFUNK. (French Zone).
Address: Südwestfunk, Zentral-Studio, Moltkestrasse 5, Baden-Baden.
Leading Personalities: Intendant Mr. Friedrich Bischoff. Program-Director Mr. Lothar Hartman. Chief-Engineer Mr. Ernst Becker. Administrator Mrs. Margarethe Sachsenberg.

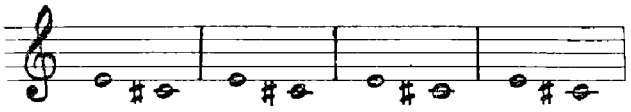
Baden-Baden	827 kc/s	363 m	1.5 kW
Freiburg	827 –	363 –	18 –
Koblenz	827 –	363 –	0.5 –
Trier	827 –	363 –	1 –
Kaiserlautern	827 –	363 –	1.5 –
Sigmaringen	827 –	363 –	1 –
Rheinsender	1016 –	295 –	70 –
Bad Dürrheim	1538 –	195 –	20 –
Ravensburg	1538 –	195 –	20 –
Reutlingen	1538 –	195 –	5 –
Baden-Baden	6320 –	47.47 –	1 –

Daily Programmes: *Weekdays:* 05.00–09.00, 10.00–23.15 (Wedn. 24.00, Sat. 01.00). Sun. 06.00–24.00 *News:* 05.00 (W.), 06.00, 07.00. 11.45. 18.40. 21.00, 23.00. – *Programme from Paris:* W. 12.00 – "Tribune der *Zeit*": Daily 18.40. – *Symphony:* Sun. 16.00 or 19.00. Fri. 20.00. – *Opera Music:* Mo. 20.00. – *Play:* Tues. 19.30. Thurs. 20.00. – *Music:* Mo., Tues., Wed. 21.30, Fri. 22.15.
Announcement: "Hier ist der Südwestfunk".

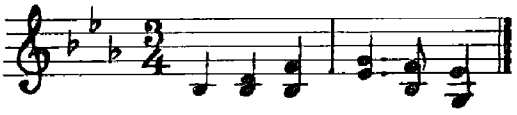
Interval Signals: Baden-Baden: Motif from Mozart's "Zauberflöte": Bald prangt den Morgen zu verkünden:



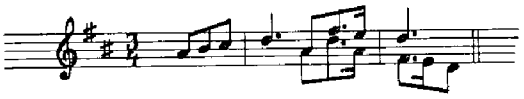
Studio Freiburg: "Glocken Motif des Freiburger Münsters: Petrus und Maria".



Studio Tübingen: "Droben im Oberland . . . . .".

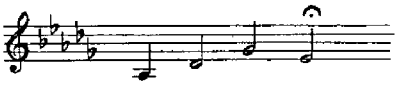


Landesstudio Rheinland-Pfalz (Mainz):



Verification by letter.

Announcement: "Hier spricht Radio Saarbrücken auf Wellenlänge 211.1 m".
Interval Signal:



Verification by QSL letter.

RADIO SAARBRÜCKEN
Address: Nauwieserstrasse 75, Saarbrücken, Saar.
Leading Personalities: Director General, Mr. F. Billmann. Administrator, Mr. E. Müller. Director of Programmes, Mr. A. J. Schumm. Chief Engineer, Mr. F. Glasow.
Station: 1421 kc/s 211.1 m 20 kW.
Daily Programmes: Mo.–Fri.: 04.57–07.45, 10.15–13.30, 16.45–22.50. Sat.: 04.57–07.45, 10.15–22.50. Sun.: 04.57–22.50.
News: 05.00, 06.00, 07.30(W), 11.30, 13.00(W), 17.00(W), 19.00(S), 21.00, 22.45.
"*Die Stimme des Tages*": W. 18.45. Symphony: Fri. 19.20.

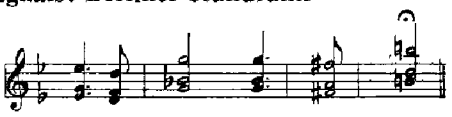
GERMAN DEMOCRATIC REPUBLIC
DEUTSCHE DEMOKRATISCHE REPUBLIK

Central Administration of Broadcasting:
Address: Generalintendant des Rundfunks in der DDR. Berlin W 8, Thälmannplatz 8/9. *Cable:* Radiodemokrat.

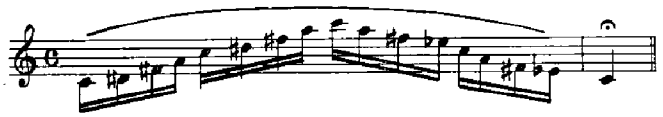
BERLINER, RUNDFUNK DEUTSCHLANDSENDER
Address: Friedrichstr. 169/170, Berlin W. 8.
Stations:

Berliner Rundfunk			Deutschlandsender		
236 kc/s	1271 m	20 kW	185 kc/s	1620 m	70 kW
782 –	383.6 –	70 –	6115 –	49.06 –	5 –
1570 –	191.1 –	3 –	7150 –	41.96 –	5 –
			9730 –	30.83 –	12.5 –

Daily Programmes for Berliner Rundfunk.
From 03.30(Sun.05.00)–24.00(Sat. 02.00).
News: (W = Weekdays. S = Sundays). 03.33(W), 04.00(W), 05.00(W), 05.03(S), 06.03(W), 07.00, 09.00, 10.00(W), 11.00(W), 12.00, 13.00(W), 15.00(W), 16.00(S), 17.00(W), 19.00, 21.00, 23.00(S). – "*Pulsschlag der Zeit*": 18.30.
Daily Programmes for Deutschlandsender.
From 03.30(Sun.05.00)–01.00(Sat. 02.00).
News: 03.33(W), 04.00(W), 05.00(W), 05.03(S), 06.03, 07.00, 09.00(S), 10.00(W), 11.00, 12.00, 15.00(W), 16.00, 18.00, 21.00, 23.00, 01.00(Sat.). – *News at dictation speed:* 00.03 (exc. Sat.). – "*Wir sprechen für Westdeutschland*": 20.00. "*Die Wahrheit über America*": Sun. 17.45.
Interval-Signals: Berliner Rundfunk



Deutschlandssender:

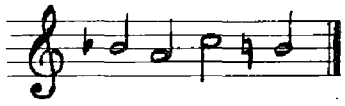


Landessender Potsdam: 575 kc/s 521.7 m 20 kW
Landessender Schwerin: 728 kc/s 412.1 m 2 kW
Daily Programmes: Partly relay of Berliner Rundfunk and partly own programmes.

MITTELDEUTSCHER RUNDFUNK Sender Leipzig:
Address: Springerstr. 24. Leipzig N 22. – *Cable:* Rundfunk Leipzig.
Stations:

Leipzig	1043 kc/s	287.6	m	70	kW
Plauen	1484 –	202.2	–	2	–
Leipzig	9730 –	30.83	–	12.5	–

Daily Programmes: 03.27–01.00 (Sun. 24.00).
News: 03.30, 04.00, 05.00, 06.00(W), 07.00, 08.00(W), 09.00(S), 10.00(W), 11.00, 13.00(W), 15.00(W), 16.30(S), 18.45, 20.45, 23.00.
Interval-Signal:



Landessender Halle:	1196 kc/s	250.9 m	20 kW
Landessender Weimar:	1061 kc/s	282.7 m	20 kW
Landessender Dresden:	910 kc/s	329.7 m	2 kW
	1016 kc/s	295.3 m	2 kW

GREAT BRITAIN

Address: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W.1.
Leading Personalities: Chairman The Lord Simon of Wythenshawe, LL.D., M.I.C.E., M.I.M.E.; Vice-Chairman Air Chief Marshal The Lord Tedder, G.C.B., K.C.B., C.B. Director General Sir William Haley. K.C.M.G.; Director of Technical Services Sir Noel Ashbridge, M.I.C.E., M.I.E.E.; Director of Home Broadcasting B. E. Nicolls, C.V.O.C.B.E.; Director of Overseas Services Major General Sir Ian Jacob, K.B.E., C.B.; Director of Administration Air Chief Marshal Sir Norman Bottomley, K.C.B., C.B., C.I.E., D.S.O., A.F.C.; Director of Television G. R. Barnes. Controller Home Service R. E. L. Wellington. Controller Light Programme Kenneth Adam. Controller of Third Programme H. J. G. Grisewood. Controller Television Programme Cecil McGivern. Controller Entertainment R. J. F. Howgill, C.B.E.; Controller Talks Miss Mary Sommerville, O.B.E.; Controller Finance T. Lochhead, C.B.E.; Controller Staff Administration J. H. Arkell. Chief Engineer H. Bishop, C.B.E.F.C.G.I., M.I.E.E., M.I.M.E.; Editor, News T. R. P. Hole.

HOME SERVICES (Medium Waves)

		kc/s	m	kW
Moorside Edge	Northern	692	434	150
Westerglen	Scottish	809	371	100
Burghead	–	809	371	100
Redmoss	–	809	371	20
Washford	Welsh	881	341	150
Penmon	–	881	341	20
Wrexham	–	881	341	5
Brookmans Park	London	908	330	150
Start Point	West	1052	285	150
Droitwich	Midland	1088	276	150
Norwich	–	1088	276	20
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	–	1151	261	5
Stagshaw	–	1151	261	100
Clevedon	West	1457	206	60
Bartley	–	1457	206	60
Brighton	West	1457	206	2
Hastings	–	1457	206	2
Ramsgate	London	1484	202	2
Light Program:	kc/s	m		kW
Droitwich	200	1500		400
Brookmans Park	1214	247		60
Burghead	1214	247		20
Lisnagarvey	1214	247		10
Londonderry	1214	247		1
Moorside Edge	1214	247		58
Plymouth	1214	247		2
Redmoss	1214	247		2
Redruth	1214	247		2
Newcastle	1214	247		10
Westerglen	1214	247		50
Third Program:				
Daventry	647	464		120
Edinburgh	647	464		2
Glasgow	647	464		2
Newcastle	647	464		2
Redmoss	647	464		2
Belfast	1546	194		5
Bournemouth	1546	194		2
Brighton	1546	194		5
Cardiff	1546	194		2
Dundee	1546	194		2
Exeter	1546	194		5
Fareham	1546	194		2
Hull	1546	194		5
Leeds	1546	194		5
Liverpool	1546	194		5
Manchester	1546	194		2
Middlesborough (Stockton)	1546	194		2
Plymouth	1546	194		5
Preston	1546	194		2
Redruth	1546	194		2
Sheffield	1546	194		2

B.B.C. External Services (Medium Waves):

Ottringham	1295 kc/s	232 m	150 kW
Graz-Dobl Austria	1025 –	293 –	100 –
Crowborough	1340 –	224 –	150 –

DAILY PROGRAMMES: Home Services.

Weekdays from 06.30–23.03.
06.30 Music 07.00 News
07.10 Progr. Parade
07.15 Music
08.00 News
08.10 Progr. Parade
10.15 The Daily Service
10.30 Music
11.00 Schools (or Music)
13.00 News
14.00 Schools (or Music)
17.00 Children's Hour
18.00 News
19.00 Variety 21.00 News
22.45 Today in Parliament
23.00 News Summary

Sundays from 07.55–23.03.
07.55 Weather forecast
08.00 News
08.10 Progr. Parade
08.20 Music
09.20 Progr. Parade
09.30 Morning Service
11.30 Music Magazine
12.10 The Critics
13.00 News
14.30 Play
16.00 Popular Music
18.00 News 18.15 Concert
19.45 Evening Service
20.30 Serial Play
21.00 News 21.15 Talk
21.30 Feature Program
23.00 News Summary

Interval-Signal: Bow Bells

Great Britain

British Broadcasting Corporation (BBC): BBC EUROPEAN SERVICE: ENGLISH BY RADIO. – ANN AND HER GRANDFATHER, a forthnightly series of elementary English lessons consisting of short conversations between Grandfather, Mr. Robinson (played by Allan Wheatly) and his grand-daughter, Ann Robinson (Brenda Cleather), whose amusing domestic encounters have made them firm favourites with 'English by Radio' listeners all over Europe. Ann and her Graandfather play a game of chess, Grandfather is rather concerned about Ann's move.

Light Program:

Weekdays from 09.00–24.00.

09.00 News
09.10 Housewives' Choice
11.00 Mrs. Dale's Diary
13.00 Concert Hour
13.45 Listen with Mother
14.00 Woman's Hour
15.00 Music
15.30 Forces Educational Broadcast
15.45 Music While You Work
16.15 Mrs. Dale's Diary
18.45 The Archers
19.00 News. Newsreel
19.30 Light Entertainment
22.00 News
23.00 A Book at Bedtime
23.15 Light Music
23.56 News Summary

Sundays from 08.00–24.00.

08.00 Music
09.00 News
09.10 Music
11.30 People's Service
19.00 News
21.00 Variety
22.00 News
23.56 News Summary

Interval-Signal: 1) Oranges and Lemons

There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio – a choice of six harp interludes.

Third Program: Daily from 18.00–24.00.
This programme consists generally of music, radio-plays and talks. There are no news broadcasts.

SHORT WAVES for Foreign Services:

2880 kc/s	104.2 m	GRC		6150 kc/s	48.78 m	GRW	
6010	49.92	GRB		6165	48.66	GWK	
6035	49.71	GWS		6170	48.62	GSZ	
6040	49.67	GSY		6180	48.54	GRO	
6050	49.59	GSA		6195	48.43	GRN	
6060	49.50	GSX		7075	42.40	GRS	
6070	49.42	GRR		7120	42.13	GRM	
6090	49.26	GWM		7150	41.96	GRT	
6110	49.10	GSL		7185	41.75	GRK	
6125	48.98	GWA		7200	41.67	GWZ	
7210 kc/s	41.61 m	GWL		11955 kc/s	25.09 m	GVY	
7230	41.49	GSW		12040	24.92	GRV	
7250	41.38	GWI		12095	24.80	GRF	
7260	41.32	GSU		15070	19.91	GWC	
7280	41.21	GWN		15110	19.85	GWG	
7320	40.98	GRJ		15140	19.82	GSF	
9410	31.88	GRI		15180	19.76	GSO	
9510	31.55	GSB		15210	19.72	GWU	
9525	31.50	GWJ		15230	19.70	GWD	
9550	31.41	GWB		15260	19.66	GSI	
9570	31.35	GWX		15300	19.61	GWR	
9580	31.32	GSC		15310	19.60	GSP	
9600	31.25	GRY		15435	19.44	GWE	
9625	31.17	GWO		15450	19.42	GRD	
9640	31.12	GVZ		17700	16.92	GVP	
9660	31.06	GWP		17715	16.93	GRA	
9675	31.01	GWT		17730	16.92	GVQ	
9690	30.96	GRX		17790	16.86	GSG	
9700	30.93	GWY		17810	16.84	GSV	
9825	30.53	GRH		18025	16.64	GRQ	
9915	30.26	GRU		18080	16.59	GVO	
11680	25.68	GRG		18130	16.55	GRP	
11700	25.64	GVW		21470	13.97	GSH	
11730	25.58	GVV		21530	13.93	GSJ	
11750	25.53	GSD		21550	13.93	GST	
11770	25.49	GVU		21640	13.86	GRZ	
11790	25.45	GWV		21675	13.84	GVR	
11800	25.42	GWH		21710	13.82	GVS	
11820	25.38	GSN		21750	13.79	GVT	
11840	25.34	GWQ		25750	11.65	GSQ	
11860	25.30	GSE		26100	11.49	GSK	
11880	25.25	GRE		26400	11.36	GSR	
11890	25.13	GWW		26550	11.30	GSS	
11930	25.15	GVX					

EUROPEAN SERVICES:

A. C. E.:=America Calling Europe. A. C.=America Calling. E by R=English by Radio. P=Program.

Albanian:
16.30–16.45 in 31, 25 m. b. and 293 m. *News.*
19.15–19.30 in 31, 25 m. b. *News.*

Austrian:
17.15–17.30 in 41, 31, 25 m.b. *Program.*
17.45–18.00 in 49, 41 m.b. *Program.*

Belgian, French:
12.30–12.45 in 41, 31, 25 m.b. and 464 m. *Program.*

Belgian, Flemish:
18.15–18.30 in 41, 31 m.b. and 224 m *Program.*

Bulgarian:
04.45–05.00 in 41, 31, m. b. and 293 m. *News.*
11.45–12.00 in 31, 25, 19 m. b. *Mo. Wed. E by R.*
17.00–17.15 in 25, 31 m. b. *A. C. Bulgaria. Progr.*
18.00–18.30 in 31, 25, 19 m. b. and 293 m. *News and P.*
20.30–20.45 in 31, 25 m. b. *News.*

Czech:
05.15–05.30 in 49, 41 m.b. *News.*
06.00–06.15 in 41, 31 m.b. Tues. Thurs. *E by R.*
13.00–13.15 in 31, 25 m.b. *News.*
17.30–18.00 in 41, 31 m.b. *A. C. Czechoslovakia.*
20.00–20.30 in 31, 25 m.b. *A. C. Czechoslovakia.*
20.30–21.00 in 41, 31 m.b. and 293 m. *News. Program.*

Slovak:
19.00–19.15 in 31, 25 m.b. *News. Program.*

Danish:
11.15–11.30 in 41, 31 m.b. and 232 m. *News.*

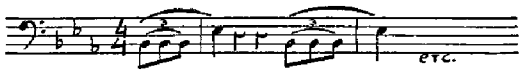
Great Britain Allan Wheatly Brenda Cleather English by Radio

17.00–17.30 in 41, 31 m.b. *News and Program.*
Dutch:
06.45–07.00 in 49, 41 m.b. and 464 m. *News.*
07.00–07.15 in 49, 41 m.b. Sun. Mo. *E by R.*
16.00–16.15 in 41, 31, 25 m.b. Sat. Sun. *E by R.*
21.00–21.30 in 49 m.b and 224 m. *News, Program.*
English:
04.30–04.45 in 41, 31 m.b. *E by R.* (S. 05.30–05.45.)
05.45–06.00 in 49, 41 m.b. and 232 m. *E by R.*
06.00–06.30 in 49, 41 m.b., 464 m. *News, Press Review.*
07.00–07.30 in 49, 41, 31, 25 m.b. and 232 m. *News, Program.*
07.45–08.00 in 49, 41, 31 m.b. and 464 m. *E by R.*
08.30–09.15 in 31, 25 m.b. *Sun. Religious Sce.*
09.15–09.30 in 31, 25 m.b. *Weekdays Religious Sce.*
10.45–11.00 in 41, 31, 25 m.b., 232 m. *E by R.*
11.30–11.45 in 31, 25, 19 m.b. *E by R.*
12.00–12.15 in 41, 31, 25, 19 m.b., 232 m. *E by R.*
12.15–12.30 in 41, 31, 25, 19 m.b., 232 m. *Dict. News.*[1]
12.45–13.00 in 41, 31, 25, 19 m.b., 232 m. *News.*
13.00–13.15 in 31, 25, 19 m.b. *E by R.*
16.15–16.45 in 41, 31, 25 m.b., 224, 464 m. *English, A.C.E.*
16.30–16.45 in 31, 25 m.b. *E by R.*
17.15–17.30 in 41, 31, 25 m.b. and 224 m. *News Program.*
17.30–18.15 in 31, 25, 19 m.b. and 224 m. *E by R.*
18.00–18.15 in 49, 41, 31, 25 m.b., 232 m. *News, Dict.*
18.15–18.30 in 49, 41, 31, 25 m.b., 232 m. *Press Review.*
19.00–20.15 in 41, 31, 25 m.b. *English A.C.E.*
19.30–19.45 in 31, 25 m.b. *E by R.*
20.00–20.15 in 41, 31, 25 m.b. *News.*
21.15–21.30 in 49, 41 m.b. and 232 m. *E by R.*
21.00–22.00 in 49 m.b. and 224 m. *Press Review, Program, News.*
21.30–22.00 in 49, 41 m.b. and 224 m. *Press Review, News.*
Finnish:
15.00–15.45 in 25, 19 m.b. *Sun. Program.*
16.00–16.30 in 31, 25 m.b. *News, Program.*
16.30–16.45 in 31, 25 m.b. *A.C. Finland.*
19.00–19.15 in 41, 31, 25 m.b. *News.*
French:
06.30–06.45 in 49, 41 m.b. and 464 m. *News.*
07.15–07.45 in 49, 41, 31 m.b. and 464 m. "*La Demiheure du matin*".
11.30–11.45 in 41, 31, 25 m.b. and 464 m. *News.*
11.45–12.00 in 19, 13 m.b. *News.*
18.30–20.00 in 49, 41, 31 m.b. and 224 m. *News, Press Review, Program.*
20.00–20.15 in 49, 41, 31 m.b. and 224 m. "*L'Anglais par la Radio*".
20.15–21.00 in 49, 41, 31 m.b. and 224 m. *News, Commentary, Program.*
22.00–22.15 in 49, 41 m.b. and 224 m. *A.C. France.*
German:
04.45–05.30 in 49, 41 m.b., 232 m *News and East Zone Program.*
06.00–06.15 in 49, 41 m.b. and 232 m. *News.*
13.00–13.30 in 41, 31, 25 m.b. and 232 m. *News, Program.*
16.00–16.15 in 49, 41, 31 m.b. and 232 m. *News, Press Review.*
16.45–17.00 in 49, 41, 31, m.b. and 232 m. *News, Press Review. Suns. Protestant Service.*
17.00–17.15 in 41, 31, 25 m.b. and 232 m. *East Zone Program. Suns. Catholic Service.*
19.00–19.30 in 49, 41 m.b. and 232 m. *News, Press Review.*
19.30–20.00 in 49, 41 m.b. and 232 m. *Program.*
20.15–20.30 in 49,41 m. b. 232 m "*Lernt English*".
20.30–21.15 in 49, 41 m.b. and 232 m. *News. Program.*
23.00–23.15 in 49, 41 m.b. and 232 m. *News.*
Greek:
05.00–05.15 in 41, 31 m.b. and 293 m. *News.*
12.15–12.30 in 31, 25, 19 m.b. *News.*
13.15–13.30 in 31, 25, 19 m.b. *E by R.* Mo. Thur.
16.15–16.30 in 31, 25, 19 m.b. *E by R.* Tu. Fri.
18.30–19.00 in 25, 19 m.b. *News, Program.*
Hungarian:
06.15–06.30 in 41, 31 m.b. and 293 m. *News.*
16.45–17.00 in 31, 25 m.b. and 293 m. *News.*
19.30–20.00 in 41, 31, 25 m.b. and 293. *News, Program.*
19.00–19.30 in 41, 31 m.b. *A.C. Hungary.*
20.45–21.15 in 49, 31 m.b. *A.C. Hungary.*
22.00–22.15 in 41, 31 m.b. and 293 m. *Program.*
Italian:
06.30–06.45 in 41, 31 m.b. and 293 m. *News.*
06.45–07.00 in 31, 25 m.b. *E by R.* Mo. Th.
12.30–12.45 in 31, 25, 19 m.b. *News.*
12.45–13.00 in 31, 25 m.b. *E by R.* Tue. Fr.
18.30–19.00 in 41, 31, 25 m.b. and 293 m. *Program.*
21.00–21.45 in 41, 31, 25 m.b. and 293 m. *News, Progr.*
Luxembourg dialect:
08.00–08.15 in 41, 31 m.b. and 464 m. *Sun. only.*
Norwegian:
11.00–11.15 in 31, 25 m.b. and 232 m. *News.*
16.45–17.00 in 41, 31, 25 m.b. *E by R.* Sun. Tue. Wed. Fri.
17.30–18.00 in 41, 31 m.b. and 232 m. *News, Program.*
Persian:
16.30–17.00 in 31, 25, 19 m.b. *A.C. Persia.*
Polish:
05.30–05.45 in 49, 41 m.b. and 232 m. *News.*
13.30–13.45 in 41, 31, 25 m.b. and 232 m. *News.*
16.15–16.45 in 41, 31, 25 m.b. and 232 m. *A.C. Poland.*
18.30–19.00 in 49, 41 m.b. *News, Program.*
20.30–21.00 in 49, 41, 31 m.b. *A.C. Poland.*
21.30–22.00 in 49, 41 m.b. and 232 m. *News, Program.*
Portuguese:
12.30–12.45 in 31, 25, 19, 13 m.b. *News.*
19.30–20.00 in 41, 31, 25, 19 m.b. *News, Program* In w. 19.45–20.15.
20.15–20.30 in 31, 25 m.b. *A.C. Portugal.*
Rumanian:
04.15–04.30 in 41, 31 m.b. and 293 m. *News.*
16.00–16.15 in 31, 25, 19 m.b. *Program.*
19.00–19.30 in 41, 31, 25 m.b., 293 m. *News, Program.*
19.30–20.00 in 41, 31 m.b. *A.C. Rumania.*
21.45–22.00 in 41, 31 m.b. *News.*
Russian:
03.15–03.45 in 49, 41, 31, 25, 19, 16, 13 m.b. *News, Progr.*
14.15–14.45 in 49, 41, 31, 25, 19, 16, 13 m.b. *News, Progr.*
18.00–18.30 in 41, 31, 25 m.b. *A.C. Russia.*
18.30–19.00 in 41, 31, 25 m.b. *A.C. Ukraine.*
21.15–21.45 in 41, 31, 25 m.b. *A.C. Russia.*
21.15–21.45 in 49, 41, 31, 25, 19, 16, 13 m.b. *News, Progr.*
Spanish:
13.15–13.30 in 31, 25, 19 m.b. *News.*
20.15–21.00 in 41, 31, 25 m.b. *News, Program.*
22.00–22.45 in 41, 31 m.b. *A.C. Spain.*
Swedish:
18.30–19.00 in 41, 31, 25 m.b. and 232 m. *News, Program.*

Turkish:
04.30–04.45 in 41, 31 m.b. *News.* In w. one hour later.
16.30–17.00 in 25, 19 m.b. *News, Program.* In w. one hour later.
16.00–16.30 in 31, 25, 19 m.b. *A.C. Turkey.*
20.15–20.30 in 31, 25 m.b. *News.*

Yugoslav:
05.45–06.00 in 41, 31 m.b. and 293 m. *News.*
13.45–14.00 in 31, 25, 19 m.b. *News.*
16.15–16.30 in 31, 25, 19 m.b. *E by R. Mo. Wed. only.*
17.15–17.30 in 31, 25, 19 m.b. and 293 m. *News.*
17.00–17.15 in 41, 31 m.b. *A.C. in Slovene.*
17.45–18.00 in 31, 25 m.b. *A.C. in Serbo-Croat.*
20.00–20.30 in 41, 31 m.b., 293 m. *News, Program.*
19.45–20.00 in 41, 31 m.b. *Slovene.*
21.45–22.00 in 41, 31 m.b. and 293 m. *News, Program.*

Interval-Signal for European Service: Morse Signal "V" (V for Victory) played on Timpani (i.e....–)



AMERICA CALLING EUROPE
Schedule of B.B.C. Relays of A.C.E. Programmes from O.I.E New York.

16.15 Polish	16.00 Turkish
16.45 Polish	16.15 Turkish
17.00 Slovene	18.00 Russian
17.15 Greek	18.15 Russian
17.45 Serbo-Croat	18.30 Ukranian
18.00 Russian	18.45 Ukranian
19.00 Hungarian	19.00 English
19.15 Hungarian	19.15 English
19.30 Rumanian	19.30 English
19.45 Rumanian	19.45 English
20.00 Czech	20.00 English
20.15 Czech	20.30 Polish
20.30 Greek	20.45 Polish
20.45 Hungarian	21.15 Russian
21.00 Hungarian	21.30 Russian
16.30 Persian	
16.45 Persian	

GENERAL OVERSEAS SERVICE:
The General Overseas Service, which operates 23 hours a day, and can be heard at suitable times all over the world, is addressed to Englishspeaking Listeners, wherever they may be. All programs are in English.

Daily Programs:

02.00 News	13.00 News
02.10 From the Editorials	13.10 Home News
04.00 News	14.00 Radio Newsreel
04.10 Home News	15.15 Program Parade
04.15 Program Parade	16.00 News
06.00 News	16.10 News Analysis
06.10 Daily Service	17.15 Radio Newsreel
07.00 News	18.00 News
07.10 Home News	181.0 Home News
07.15 Program Parade	20.00 News
11.00 News	20.10 Daily Service (exc. Sun.)
11.15 Program Parade	
11.20 From the Editorials	21.15 Program Parade
11.10 News Analysis	23.00 News
12.10 Program Parade	00.15 Radio Newsreel

The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are:

Pacific:	06.00–08.45 in 31, 25, m.b.
	10.45–11.15 in 41, 31, 19, 16 m.b.
	20.00–21.00 in 31 m.b.
Africa:	04.00–08.00 in 49, 41, 31, 25, 19, 16, 13, 11 m.b.
	10.45–22.45
Middle East:	04.00–06.15, in 49, 41, 31, 25, 16, 13 m.b.
	10.45–21.00.
Far East:	10.45–14.15 in 41, 31 m.b.
South Asia:	10.45–18.15 in 49, 31, 25, 19, 16 m.b.
South-East-Asia:	10.45–15.15 in 31, 25, 19, 16 m.b.
North America:	15.15–16.15 in 25 m.b.
	22.00–03.00 in 49, 31 m.b.
	04.00–06.15 in 49 m.b.
Central America:	20.00–23.15 in 49, 31 m.b.
	23.45–03.00 in 49 m.b.
West Indies:	20.00–23.15 in 49, 31 m.b.
	23.45–03.00 in 49 m.b.
South America:	20.00–03.00 in 49, 31 m.b.

Interval-Signal for General Overseas Service: Bow Bells.

SPECIAL PROGRAM SERVICES
For the Pacific Area: In English. Directed to Australia and New Zealand.
08.00–08.45 on 41, 31, 25 m.b. Special Program.

Far-Eastern Service: In English, French and Far Eastern-languages. Directed to China, Japan and South and South-East Asia.
09.15–09.30 on 25, 19, 16 m.b.
10.30–13.45 on 25, 19, 16 m.b.
14.15–14.30 on 25. 19 m.b.
11.00–11.30 and 12.00–12.45 on 31 m.b. (for China and Japan only).

09.15 News in English	12.30 News in Cantonese
10.30 News in Indonesian	12.45 News in Malay
11.00 News in Japanese	13.00 News in English
11.30 News in French	13.10 Home News
12.00 News in Kuoyu	13.15 News in Thai
	14.15 News in Burmese

British Far Eastern Broadcasting Service
Address: British Far Eastern Broadcasting Service. P.O. Box 434, Singapore.
Stations: Singapore 15/100 kW.
6175 kc/s 48.58 m – 7120 kc/s 42.13 m – 9690 kc/s 30.96 m. 11955 kc/s 25.09 m – 15300 kc/s 19.61 m – 17755 kc/s 16.90 m.
Daily Programmes: 09.15–16.30. Directed at suitable times to Far East, South-, South-East Asia, Burma & Thailand in 49, 41, 31, 25, 19 m.b. The program consists of relay from the BBC Services in English, Indonesian, Cantonese, French, Thai, Kuoyo, Burmese, Japanese, Hindi, Urdu, Marathi and Bengali. Some locally originated material is broadcast in English.

"London calling Asia" in English. Directed to India, Pakistbn, Ceylon and S. East Asia: 13.15–14.00 in 25, 19 m.b.

Announcement: In English: "This is the British Far Eastern Broadcasting Service".

Eastern Services.
In Eastern Languages. Directed to India, Pakistan, Cey-

lon and South-East Asia: 13.45–14.15 (Tues. Thurs.). 14.00–15.30 in 31, 25 and 19 m.b.
13.45 Sinhalese Magazine Program (Tues.). Tamil Magazine Program (Thurs.). – 14.00 Hindi Programme (exc. Wed. Sat.). Marathi Magazine Programme (Tues.). West Bengali Programme (Sat.). – 14.30 News in Hindi. – 14.45 Urdu Programme (exc. Wed.). East Bengali Magazine Programme (Wed.). – 15.15 News in Urdu.
In Arabic, Hebrew and Persian. 03.45–04.15, 04.45–05.15, 15.45–18.15, 18.30–20.30 in 49, 41, 31, 16 m.b.
Arabic: 03.45–04.15, 04.45–05.15, 17.00–18.15, 18.30–20.30. Hebrew: 16.30–17.00. Persian: 15.45–16.30.
Colonial Service: In English and Maltese for Malta. 17.30–17.45 (Mo. Tues. Thurs. Sat.) in 31 m.b.
In English for West Africa 20.15–21.00 in 31. m.b.
In English for West Indies 23.15–23.45 in 49 m.b.
In English and Afrikaans for Central and South Africa 16.15–16.45 in 19 m.b.
In English for the Falkland Islands 16.15–16.45 (Sun.only in 19 and 13 m.b.
In English for East Africa 18.15–18.30 (Sun. Fri only) in 31 m.b.

Latin-American Services in Portuguese: Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon).
23.00–00.30 in 49 m.b. 23.00 News Summary 00.00 News

Latin-American Service in Spanish: Directed to Central America, South Caribbean Area, South America (N. & S. of Amazon) and Mexico.
23.00–02.15 in 49 and 31 m.b.
23.00 News Summary. 00.00 News. 02.00 News.

North-American Service in English and French: Directed to Canada, U.S.A. and Mexico.
15.00–17.15 in 16 m.b., 18.00–20.45 (Mo to Fri. incl.) in 25, 31 m.b., 20.45–22.00 in 49, 31 m.b.
Special Programs 15.00–17.15, 18.00–20.45 (Mo. to Fri.), 20.45–22.00.

Interval Signal for North-American Service: The notes "B. B. C." played on Novachord .....

Announcements: *Home Programme:* "This is the B. B. C. Home Service, Light Programme or Third Programme". *European Service:* "This is London calling in the European Service of the B. B. C.". In French: "Ici Londres". In German: "Hier ist England„ In Dutch: "Hier is London". In Italian: "La Voce di Londra".
B. B. C. Overseas Service: "This is the General Overseas Service of the B. B. C .....".

"This is the Pacific Service of the B.B.C. from London".
"This is London Calling North America".
"This is London Calling South, East or West Africa".
"This is London Calling Malta".
"This is London Calling the Falkland Islands".
"This is London Calling the West Indies".

Interval Signal: Shown for each of the Services. General Overseas Service gives Big Ben full strike 14.00 Chimes every quarter-hour when there is a program break.

Message to Listeners: The B. B. C. London welcomes letters from its listeners throughout the world, with coms ments on the substance and reception of its variou broadcasts, Any such letters addressed to the B. B. C., London W 1, will receive the most careful attention.

GREECE

NATIONAL BROADCASTING INSTITUTE

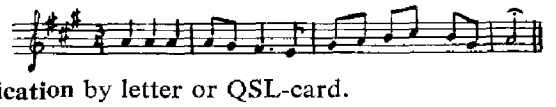
Address: Ethnikon Idhryma Radiophonias (National Broadcasting Institute) 4, Righillis Str., Athens T. 1.
Leading Personalities: General Manager Mr. Chr. Tsigantes. Technical Director Mr. B. Aslanides. Chief of Music Mr. Sp. Farantatos.
Stations:

Athens	728 kc/s	412.0 m	50	kW		
Salonika	1043 –	287.6 –	2	–	Reg. Relay.	
Volos	1484 –	202.2 –	0.25	–	Reg. Relay.	
Patras	1511 –	198,2 –	0.1	–	Reg. Relay.	

Short Waves: 7.5 kW.

kc/s	m	kc/s	m	kc/s	m
6177	48.56	9607	31.23	15345	19.53
7300	41.09	11718	25.61		

DAILY PROGRAMMES:
Home Service:
On 412 m: W: 05.00(S:04.30)–08.00, 09.30–13.30, 14.30 (S:15.00)–22.00(S:22.30). Sun.: 05.00(S:04.30)–13.30, 14.30(S:15.00)–22.00(S:22.30).
News: 05.20, 11.00(Sun. 11.40), 12.45(W), 18.15(W), 20.15, 21.50(S. 22.20). *Relay from UNO:* 07.55 (exc. Sun. Mo.). *Relay from Paris:* 11.30. *Relay from BBC:* 12.15. *Relay U.S.A.:* 17.15, 20.30. *French Transmission:* Daily 16.00. "*We and our Listeners*": 16.15 (Tues. Thurs. Sat.). "*Greek Afternoon*": Sun. 17.30. *Symphony:* Sun. 09.00 (S. Mo. 18.00), Wed. 16.15, Thurs. 19.10, Fri. 21.00 (S. 21.30).
On 287.6 m: W: 05.00–07.00(Sun. 07.30), 10.00–13.00, 15.30–21.30. S: 04.30–06.30(Sun. 07.00), 10.00–13.00, 16.00–22.00.
On 202.2 m: 05.00–06.30, 10.30–13.00, 17.00–22.00.
On 198.2 m: 10.30–12.30, 17.00–21.00.
Foreign Broadcasts:
On 7300 kc/s: To Europe and the Near East:
05.00(S.04.30)–08.00, 09.30–13.15 Relay 412 m.
13.15–13.45. Programme to Cyprus and Egypt.
15.30 News (Dictation) and Warnings to Seamen – 15.40 Programme.
17.30 Turkish – 17.45 Greek Music – 18.00 Rumanian. 18.15 Bulgarian – 18.30 Yugoslavian – 18.45 Albanian. 20.30–22.00 Greek program **On 9607 kc/s** 19.30–19.45 in English.
On 11718 kc/s:
To Europe: 19.30 English – 19.45 French.
To U.S.A. and Canada: 01.00-02.00 News and Programme.
On 15345 kc/s: 14.15 Russian.
Announcements: "Radhiophonikos Stathmos... (Athinon, Thessalonikis, Volou)" or "Edho . . . (Athinai, Thessaloniki, Volos" e.g.: "Radio Station . . . (Athens, Salonika, Volos)" or "This is . . . (Athens, Salonika, Volos)".
Interval-Signals: *Medium-waves:* "Tsopanakos imouna", a folk song played on native flute with a typical ensemble: *Short Wave:* "Kato stou valtou ta choria" – a folk dance played on clarinet accompanied on piano:



Verification by letter or QSL-card.

GREEK AMERICAN RADIO STATION

Address: Voice of America, c/o American Consulate, Salonika.
Station: 791 kc/s 379.2 m 50 kW.

Daily Programmes: 16.00–07.00.

1600 – Greek (Radio Athens)	2345 – Bulgarian
1700 – Bulgarian	0015 – Hungarian
1715 – Greek (VOA)	0045 – Ukrainian
1730 – Rumanian	0015 – Russian
1745 – Serbo-Croat	0145 – Rumanian
1800 – Turkish	0215 – Bulgarian
1830 – Slovene	0245 – Hungarian
1845 – Albanian	0315 – Russian
1900 – Hungarian	0415 – Ukrainian
1930 – Bulgarian	0445 – Czech.
2000 – Rumanian	0500 – Rumanian
2030 – Greek (VOA)	0515 – Polish
2045 – Arabic	0530 – Serbo-Croat
2100 – Greek (Radio Athens)	0545 – Rumanian
2200 – English	0600 – Serbo-Croat
2215 – Hungarian	0615 – Italian
2245 – Serbo-Croat	0630 – English
2315 – Rumanian	0645 – French

Announcement: "This is the New Radio Station of Salonica".

FORCES BROADCASTING STATIONS

ATHENS.

Address: Stathmos Enoplon Dhynameon (Forces Radio Station), 3-Zakolostas Street, Athens T. 1.

Stations: 1300 kc/s 230.7 m 1 kW
6340 – 47.32 – 0.25 –

Daily Programmes: W: 05.00–07.30(Sun. 08.00), 10.00–13.00, 15.30–21.30. S: 04.30–07.30(Sun. 08.00), 10.00–13.00, 16.00–22.00.

News: 12.00, 19.00.

Announcement: "Edho Athinai – Radiophonikos Stathmos Enoplon Dhynameon Elladhos" (Here is Athens-Greek Armed Forces' Radio Station).

Interval-Signal: The main motif from the march "Greece never dies" played very slowly on trumpets:

CAVALLA 7580 kc/s 39.58 m 0.3 kW.

Daily Programmes: 05.00–07.00, 10.30–13.00, 17.00–20.00.

JANNINA 6200 kc/s 48.39 m 0.3 kW.

Daily Programmes: W: 05.00–07.00, 10.00(Sun. 09.00)–12.30, 16.30–20.30. S: 04.30–06.30, 10.00(Sun. 09.00)–12.30, 17.00–21.00.

Interval-Signal: "Dance of Zalongou" played by wind instrument ensemble.

KOZANI 7950 kc/s 37.74 m 0.3 kW.

Daily Programmes: 05.00(Sun. 04.30)–06.30, 10.00–13.00, 16.00–21.00(Sun. 16.30)–21.30).

LARISSA 6745 kc/s 44.50 m 0.3 kW.

Daily Programmes: W: 05.00–07.00, 10.00(Sun. 09.00)–13.00, 16.00–20.30. S: 04.30–06.30, 10.00(Sun. 09.00)–13.00, 16.30–21.00.

MAKRONISSOS 7030 kc/s 42.67 m 0.05 kW.

Daily Programmes: 05.00(Sun. 04.30)–07.00, 10.30–13.00, 16.00–20.00.

SALONIKA 1000 kc/s 300 m 1 kW, 7058 kc/s 42.50 m 0.5 kW.

Daily Programmes: W: 05.00–07.00, 10.00–12.30, 15.00–21.00. S: 04.30–06.30, 10.00–12 m 16.00–21.30.

TRIPOLIS 6270 kc/s 47.84 m, 0.1 kW.

Daily Programmes: 05.30–06.30, 10.00–12.00, 17.00–20.00.

PRIVATE STATION

Chania

Address: Mr. Dhaskalakis, Radio Chania, Creta.

Stations: 1511 kc/s 198.5 m, 7145 kc/s 41.99, m 0.05 kW.

Daily Programmes: 07.30–09.00, 10.00–12.30, 17.00–20.00.

Announcement: "Edho Chania".

GREENLAND

GODTHAAB RADIO

Address: Grønlands Radiofoni, Godthaab.

Leading Personalities: Danish Programmes: Editor Helge Christensen. Greenlandic Programmes: Kristoffer Lynge. Musical Programmes: Claus Bornemann, Erik Bahl.

Stations: OXI.

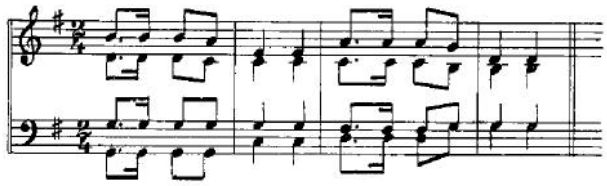
633 kc/s 473.9 m, 1 kW. 7580 kc/s 39.58 m. 0,3 kW. 7580 will possibly be changed to 7094 kc/s.

Daily Programmes from 21.30–23.45.

Weather report, News and ship's Positions in Greenlandic and Danish. Entertainment and Music.

Announcement: "Grønlands Radiofoni, Godthaab, Godaften" in Danish and Greenlandic. –

Interval-Signal: Greenlandic melody: "Sonja Kaligpok".



Verification by QSL-card.

Godhavn and Frederikshaab. Relay of Godthaab. Godhavn on 150 kc/s and Frederikshaab on 3200 kc/s.

ANGMAGSSALIK RADIO

Address: Angmagssalik Radiostation, Angmagssalik.

Stations: OZL 0.5 kW.

150 kc/s 2000 m, 7570 kc/s 39.63 m, 12300 kc/s 24.39 m, 15403 kc/s 19.48 m.

Daily Programmes: W: 14.00–14.45.

News, weather reports and ship's positions in Danish and Greenlandic – Records.

Announcement in Danish: "God Dag. Her er Angmagssalik med de danske Nyheder".

Verification by letter. Reports should be sent to The Greenland Department, Vangehusvej 12, Copenhagen Ø, Denmark.

Greenland: Editor of Danish Programmes Helge Christensen.

Greenland: Editor of Greenlandic Programmes Kristian Lynge.

Greenland Helge Christensen Kristian Lynge

HOLLAND

Address: Stichting Nederlandsche Radio Unie, The Dutch Radio Union, Postbox 150, Hilversum.

The Dutch Programmes for Home are provided by the following broadcasting societies:

A. V. R. O.: Algemeene Vereeniging Radio Omroep, Headoffice: Keizersgracht 107, Amsterdam. Studio :s' Gravelandseweg 52, Hilversum. – Chairman Mr. G. de Clercq, Secretary-Treasurer Mr. J. Corver, Managing Director Mr. W. Vogt.

K.R.O.: Katolieke Radio Omroep, Emmastraat 52, Hil-

K. R. O.: Katoliek Radio Omroep, Emmastraat 52, Hilversum. – Chairman Prof. Dr. J. B. Kors O. P., Secretary Mr. L. P. N. A. Bouwman, Treasurer Mr. C. Burger, Managing Director Mr. P. A. M. Speet.

N. C. R. V.: Nederlandsche Christelijke Radio Vereeniging, Suzannapark 8, Hilversum. – Chairman Mr. A. B. Roosjen, LLD, – Secretary-Treasurer Mr. C. A. Keuning, Member Mr. D. Pereboom, Managing Director Mr. A. H. van de Veen, L.L.D.

V.A.R.A.: Vereeniging van Arbeiders Radio Amateurs, Heuvellaan 35, Hilversum. – Chairman Mr. J. A. W. Burger, LLD, Secretary-Treasurer Mr. J. W. Lebon, Programme Secretary Mr. J. B. Broeksz. Secretary Mr. J. W. Rengelink.

V. P. R. O.: Vrijzinnig Protestantsche Radio Omroep, s' Gravelandseweg 65, Hilversum. – Chairman: Rev. Miss Dr. N. A. Bruining, Secretary-Treasurer Mr. G. J. Ligthart, 2nd. Secretary Prof. Dr. C. W. Mönnich, Managing Director Rev. E. D. Spelberg.

Central Address for the four principal broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

Leading Personalities of De Nederlandsche Radio Unie: Chairman Prof. Dr. J. B. Kors O. P., Secretary Mr. J. W. Lebon, Treasurer Mr. G. de Clercq, Members Mr. J. B. Broeksz, Miss Dr. N. A. Bruining, Mr. A. B. Roosjen, LLD, Mr. A. H. van de Veen, LLD., Mr. P. A. M. Speet and Mr. W. Vogt.

Stations: *Long and Medium Waves.*

	kc/s	m	kW	
Lopik I	746	402	120	Hilversum I
Lopik II	1007	298	120	Hilversum II
Hoogezand	1594	188	1.5*	
Hengelo	1594	188	1.5*	
Hulzberg	1594	188	1.5	

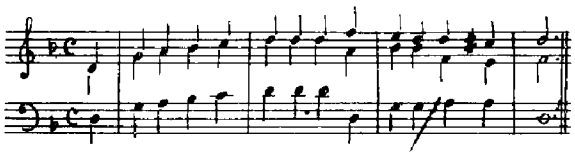
*) These regional transmitters give own programmes during one hour a day; during the rest of the day they relay the Hilversum II programme.

DAILY PROGRAMMES:

Hilversum I: 06.00–23.00.

Hilversum II: 06.00–23.00.

Interval Signal: A tune from "Valerius Gedenckklanck": "O Nederland, let up u saeck, de tyt en stout is daer".



Verification by QSL-card.

RADIO NEDERLAND WERELDOMROEP

Radio Nederland publishes a monthly program bulletin in English and Spanish. This bulletin will be sent to listeners on request and free of charge.

Address: Radio Nederland, P. O. Box 137, Hilversum, The Netherlands. *Cable:* "Mundivox". *Main Office:* 's/ Gravelandseweg 76, Hilversum.

Leading Personalities: Director General, Mr. H. J. van den Broek. Director of programme, Mr. G. Sluizer. Director of Administration, Mr. C. J. Strop. Head of Central Program Services, Mr. J. W. Acda. Head of Dutch Service, Mr. H. J. P. J. van Eijndhoven. Head of News Service, Dr. J. W. Niessink. Head of International Service, Mr. F. Thors. Producer "Happy Station", Mr. Edw. Startz. Head of Technical Services, Mr. E. van Eldik.

Stations: Huizen I 35 kW, Huizen II 5 kW
Kootwijk 10 kW, Lopik IV 40 kW.

6025 kc/s	49.79 m	15220 kc/s	19.71 m
9590 –	31.28 –	17775 –	16.88 –
11730 –	25.57 –	21480 –	13.96 –

The use of the transmitters for the various wavelengths will be adapted to the wants of the different transmissions.

DAILY PROGRAMMES:

SA=South Africa. ME=Middle East. NA=North Africa. FE=Far East. E=Europe. A=Africa. Au=Australia. NZ=New Zealand. NG=New Guinea. EI=East Indonesia. WI=Western Indonesia. Su=Surinam. NAn=Netherlands Antilles. PA=Pacific Area. SA=South Asia. US=USA. C=Canada. EE=Eastern Europe. SAm=South America. CA=Central America. In=Indonesia. Sp=Spain.

Afrikáans:

W: 18.00–18.30 (SA) 11730, 9590, 6025 kc/s.

Arabic:

W: 16.45–17.15 (ME) 11730, 9590 kc/s.

W: 21.00–21.30 (NA) 9590, 6025 kc/s.

Dutch:

Sun.: 09.00–10.30 (FE, E) 21480, 17775, 6025, (A) 15220 kc/s.

W: 10.00–10.30 (Au, NZ) 21480, 17775, 15220, 6025 kc/s.

D: 12.30–14.00 (Au, NG, EI) 21480, 17775, 6025 kc/s.

D: 14.00–15.30 (WI) 21480, 15220, 11730, 6025 kc/s.

D: 18.30 (Sun. 18.00)–20.00 (Sun. 21.00) (E, A) 11730, 9590, 6025 kc/s.

D: 23.30–01.30 (Sun. 02.00) (Su, N, An) 9590, 6025 kc/s.

Highlights of Dutch Programme: Prot. or Cath. Service (Sun.), Concertgebouw Orchestra (Sun.), Netherlands Chronicle (W), Sports (Mon.), Press Review (Tues. Thurs. Fri.), Opera and Operette Music (Thurs.), Cabaret (Sat.), Program Preview (Sat.), Letterbox (Tues. fortnightly), UNO Chronicle (Tues. fortnightly), Round Table Parliament (Wed. fortnightly), Favourites of the Month (Fri. monthly).

English:

W. 10.30–11.10 (Au, NZ, PA) 21480, 17775, 15220, 6025 kc/s.

W. 16.00–16.40 (SA) 11730, 9590, 6025 kc/s.

W. 20.00–20.40 (A,E) 9590, 6025 kc/s.

W. 02.30–03.10 (US, C) 9590, 6025 kc/s.

Highlights of English Programmes: Actuality (Mo. Wed.), Music Gazette (Wed.), Window on Holland (Sat.), Program Parade (Sat.), By Request (Thurs.), Holland makes it (Tues. fortnightly), Letterbox (Thurs. fortnightly), On the Dutch farm (Thurs. fortnightly), Holland's Art Gal-

leries and Museums (Fri. fortnightly), "As they saw it", views on Holland by wellknown foreign writers (Mo. fortnightly), Disc News (Mo. monthly).

French:
W. 17.30–17.50 (EE) 9590, 6025 kc/s.
W. 21.45–22.05 (EE) 9590, 6025 kc/s.

"Happy Station":
Sun. 10.30–12.00 (FE, PA, E) 21480, 17775, 15220, 6025 kc/s.
Sun. 16.00–17.30 (ME, E) 11730, 9590, 6025 kc/s.
Sun. 21.30–23.00 (SAm, CA) 11730, 9590, 6025 kc/s.
Sun. 02.30–04.00 (Same night) (US, C) 9590, 6025 kc/s.
These programs, produced and presented by Edw. Startz, are of 90 minutes duration consisting of: Musical enter tainment linked by polyglot announcements. "Spotlight on Holland", featuring local colour news. Musical interlude. "Mailbag" answering listeners' mail by calls to all parts of the world. Musical sign-off.

Indonesian: Daily 13.00–14.00 (In) 15220 kc/s.

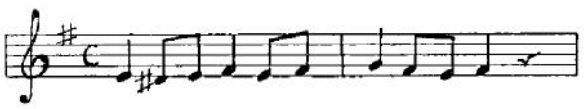
Spanish: (W. only) 22.30–23.10 (SAm, Sp) 11730, 9590, 6025 kc/s.
01.30–02.10 (CA) 9590, 6025 kc/s.
Highlights of Spanish Programmes: "Radiotertulia" (Mo.), Musica folklorica holandesa (Tues.), Actualidades (Wed.), Gaceta musical (Wed.), "Al son que Vd. prefiera" (Thurs.), Ventana de Holanda (Sat.), Revista de Programas (Sat.), Fabricas de Holanda (Tues. fortnightly), Cartas por Radio (Thurs. fortnightly), Museos holandeses (Fri. fortnightly), Disco-Novedades (Mo. monthly).

News: At the beginning of *each* transmission. News summary at the end of the English, French, Indonesian and Spanish transmissions.

N.B. The above information is based on the working schedule for the period from November 1st 1951 up to February 29 th 1952 inclusive. It is subject to change.

Announcement: *Dutch:* "Hier Radio Nederland in Hilversum". – *English:* "This is the International Service of Radio Nederland in Hilversum, Holland". – *French:* "Ici Radio Nederland, Hilversum, Hollande". – *Indonesian:* "Disini Hilversum, Siaran Indonesia Radio Nederland". – *Spanish:* "Aqui Radio Nederland de Hilversum, Holanda". – *Arabic:* "Huna Hulanda – mahattat al-idha'at al-hulandiya al-'alamiya fi hilversum".

General Interval-Signal: Old Dutch folk-song called: "Merk toch hoe sterck" played on Carillon or Celeste on all frequencies.



Verification by letter or QSL-card.

HUNGARY

Address: Magyar Ràdióhivatal, VIII. Bródy Sändor-u 5. Budapest. *Cable:* Magyaradio.

Stations: *Medium Waves:* 135 kW.
Radio Kossuth 539 kc/s 556.5 m – Radio Petöfi 1187 kc/s 252.7 m.
Short Waves: 100 kW.

Winter		*Summer*	
9833 kc/s	30.51 m	11910 kc/s	25.18 m
7220 –	41.55 –	9833 –	30.51 –
6248 –	48.02 –	7220 –	41.55 –

Holland: Head of International Service of Radio Nederland Wereldomroep, Mr. Frits Thors.

Monte Carlo: Mr. Jacques Seignette, Announcer and producer of "Allo, ici Monte Carlo".

DAILY PROGRAMMES:

Medium Waves:
539 *kc/s:* 04.00–07.30, 10.30–23.30.
News in Hungarian: W: 04.30, 05.45, 06.45, 11.00, 16.00, 21.00, 23.00. Sun.: 07.00, 11.00, 19.00, 21.00, 23.00.
News in foreign languages:
Serbian: D. 14.15–14.30, 18.30–19.00. W: 00.00–00.30.
German: D. 17.40–18.00.
English: W: 23.10–23.40. Sun.: 23.00–23.10.

1187 kc/s: 05.00–10.30, 14.00–23.30.
News in Hungarian: W: 09.00. Sun.: 16.30.
News in foreign languages:
Slovene: 06.15(Sun. 06.30)–06.35(Sun. 07.00, 17.25–17.40, 22.40–23.05 (Sun. 23.00).
French: 20.00–20.30, 23.00(Sun. 22.40)–23.30(Sun. 23.00).
Serbian: 22.00–22.40.

Short Waves: 23.00–05.00, 16.00–23.00.
European Service:
Greek: 11.45–12.00, 17.00–17.15, 18.30–19.00.
Russian: 17.20–17.40. – Finnish: 16.40–17.00.
Italian: 16.00–16.40. – Turkish: 17.40–18.00.
German: 18.00–18.30. – Spanish: 19.00–19.25.
French: 20.00–20.30.* – English: 22.00–22.30.**
*)Syndical News: Wedn. 21.00. **) Syndical News: Fri. 21.00. Request Programme: Sun. 22.30.
For U.S.A. and Canada:
English: 00.30–01.00, 04.00–04.30. – Hungarian: 01.00–01.30.

Announcements:
Russian: "Vnimanie, vnimanie, gavarit Budapest". – *English:* "This is Budapest short wave Radio broadcasting Station. The Hungarian People's Republic speaks to you". – *Italian:* "Qui parla Budapest". –*French:* "Ici Radio Budapest". – *Finnish:* "Täälää Budapest, Täällää Unkari". – *For the USA and Canada:* "This is Radio Budapest, Hungary". – *Greek:* "Edo Radiofonikos stadios Budapestes".

Interval-Signal:

Verification by QSL-card or letter and in the special "Radio-Post"-programme.

Hungary Holland Radio Nederland Wereldomroep Frits Thors Monaco Monte Carlo Jacques Seignette

ICELAND

Address: Ríkisútvarpid, Reykjavík. *Cable:* "Utvarp".
Leading Personalities: Director General Mr. Jonas Thorbergsson. Director of Programmes: Mr. G. Hjørvar.
Stations:

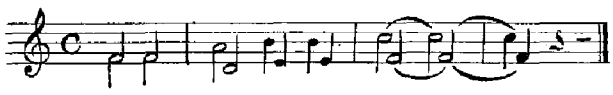
Reykjavík	TFU	182 kc/s	1648	m	100 kW	
Eidar	TFE	611 –	491	–	5 –	*)
Reykjavík	TFJ	12175 –	24.64	–	7 –	

*) Relay TFU.

Daily Programmes (in Icelandic only):
09.30–10.00, 13.10–14.15, 16.30–17.30, 19.30–24.00 (01.00). *News:* 09.30, 13.25, 16.55, 19.00, 21.00.
On short wave to Icelanders abroad Sun: 16.15–16.30

Announcement: Ut varp, Reykjavik""

Interval Signal: Opening Signal for short wave transmissions



Verification by QSL-card. Return postage requested.

ITALY

Address: Radio Italiana, Via Botteghe Oscure 54, Roma. *Cable:* "Raidirro". – Radio Italiana, Via Arsenale 21, Torino. *Cable:* "Raidirto".
Leading Personalities: Director General Mr. Salvino Sernesi. Vice Director General Mr. Marcello Bernardi. Secretary General and Director of Foreign Relations Department Mr. Gian Franco Zaffrani. Director of Programs Mr. Giulio Razzi. Director of Radio News Mr. Antonio Piccone Stella. Chief-Engineer Mr. Gino Castelnuovo.

STATIONS:

Red Network (Rete Rossa).

	kc/s	m	kW
Rome I	845	355.0	100
Milan II	1034	290.1	10
Genoa II	1034	290.1	5
Venice II	1034	290.1	5
Bari I	1115	269.1	20
Bologna II	1115	269.1	50
Catania II	1448	207.2	5
Palermo II	1448	207.2	5
Ancona	1448	207.2	5
Naples II	1448	207.2	5
Turin II	1448	207.2	20
San Remo	1448	207.2	5
Bolzano II	1484	202.2	1
Florence II	1484	202.2	3
Spezia	1484	202.2	5
Udine	1484	202.2	1
Foggia	1578	190.1	
Merano	1578	190,1	
Potenza	1578	190,1	
Savona	1578	190.1	
Salerno	1578	190,1	
Trento	1578	190.1	
Vicenza	1578	190.1	
Alessandria	1578	190.1	
Aquila	1578	190.1	
Ascoli P.	1578	190.1	
Biella	1578	190.1	
Bressano	1578	190.1	
Curreo	1578	190.1	

Blue Network (Rete Azzurra).

	kc/s	m	kW
Caltanissetta	566	530	5
Bolzano I	656	457.3	20
Florence I	656	457.3	100
Naples I	656	457.3	100
Turin I	656	457.3	80
Venice I	656	457.3	20
Milan I	899	333.7	50
Genoa I	1331	225.4	10
Messina	1331	225.4	5
Pescara	1331	225.4	25
Rome II	1331	225.4	5
Bologna I	1331	225.4	50
Palermo I	1367	219.5	10
Catania I	1367	219.5	5
Bari II	1484	202.2	1
Verona	1484	202.2	1
Brindisi	1578	190.1	1
Catanzaro	1578	190.1	0.04
Cosenza	1578	190.1	0.04
Lecce	1578	190.1	1
Taranto	1578	190.1	1
Rome	6260	47.92	60
Rome	6240	48.08	60
Rome	5980	50.17	60
Rome	3930	76.34	60

Autonomous Stations:

Cagliari	1061 kc/s	282.8 m	5 kW
Trieste	1142 –	262.7 –	10 –
Venice	III1367 –	219.5 –	5 –

Short Waves for Foreign Services:

	kc/s	m	kW		kc/s	m	kW
Rome	6010	49.92	60	Rome	11900	25.21	60
Rome	7110	42.19	60	Busto			
Rome	9570	31.35	60	Arsizio	15120	19.84	50
Rome	9630	31.15	100	Rome	15320	19.58	100
Rome	9670	31.02	60	Rome	15400	19.48	60
Rome	9710	30.90	60	Rome	17770	16.88	100
Rome	9780	30.67	60	Rome	17800	16.85	60
Busto Arsizio	11810	25.40	50	Rome	21560	13.91	100

From 1st January the Red and Blue Network will be replaced by a National Programme and a Light Programme.

National Network : W. 05.29–08.00, 09.59–13.20, 14.59–23.10. Sun. 06.29–10.00, 10.59–23.10. *News:* 06.00 (W), 07.00, 12.00. 13.00, 19.30, 22.15, 23,00.
Light Programme: W 07.59–10.00, 11.59–23.00. Sun. 07.29–11.00, 11.59–23.00.
Third Programme is broadcast from 20.00–22.00 by eight FM-stations and four short wave stations on the frequencies: 6260, 6240, 5980 and 3930 kc/s.
Radio Bolzano: *Program in German* for the German speaking population in Südtirol: *Weekdays:* 11.20–11.50, 18.00–19.10. *Sun:* 10.30–11.50, 20.03–21.20. – *Raeto Romanic Programs: Sat.* 11.00–11.20.

Radio Bari: Program in *Arabic* 14.55–15.10 on 269.1 m.
Announcement: *Medium Waves:* "RAI, Radio Italiana, Short Waves: "Stazioni della Rete Rossa" (or Rete Azzurra).

FOREIGN SERVICE FROM RADIO ROME

EUROPEAN SERVICE

Albanian: 18.00–18.20 on 7110, 9630 kc/s.
Bulgarian: 18.20–18.40 on 7110, 9630 kc/s.
Belgian (Flemish, French): 17.30–17.50 (Sun. only) on 6010, 9630, 11810 kc/s.
Czech: 13.20–13.40 on 9570, 9630, 11810 kc/s.
19.40–20.00 on 7110, 9630 kc/s.
Danish: 17.10–17.30 (not Sun.) on 6010, 9570, 11810 kc/s.
Dutch: 17.30–17.50 (Tues. Sat.) on 6010, 9570, 11810 kc/s.
English: 18.50–19.35 on 6010, 9570, 11810 kc/s.
Esperanto: 17.30–17.50 (Wed. Fri.) on 6010, 9570, 11810.
French: 18.10–18.50 on 6010, 9570, 11810 kc/s.
German: 12.20–12.40 on 9570, 9630, 11810 kc/s.
19.35–20.20 on 6010, 9570, 11810 kc/s.
Greek: 19.10–19.40 on 7110, 9630 kc/s.
Hungarian: 21.20–21.40 on 6010, 9570, 11810 kc/s.
Italian: 17.50–18.10 (Sun.) on 6010, 9570, 11810 kc/s.
Norwegian: 17.30–17.50 (Mo. Thurs.) on 6010, 9570, 11810 kc/s.
Polish: 13.40–14.00 on 9570, 9630, 11810 kc/s.
20.20–20.40 on 6010, 9570, 11810 kc/s.
Portuguese: 21.15–21.40 on 9630, 11900 kc/s.
Rumanian: 20.40–21.00 on 6010, 9570, 11810 kc/s.
Russian: 21.40–22.10 on 6010, 9570, 11810 kc/s.
03.15–03.45 on 6010, 9670, 11810, 11900, 15400
Slovak: 12.40–13.00 on 9570, 9630, 11810 kc/s.
21.00–21.20 on 6010, 9570, 11810 kc/s.
Spanish: 21.40–22.10 on 9630, 11900 kc/s.
Swedish: 17.50–18.10 (not Sun.) on 6010, 9570, 11810 kc/s.

Turkish: 18.40–19.10 on 7110, 9630 kc/s.
Ukrainian: 13.00–13.20 on 9570, 9630, 11810 kc/s.
Yugoslavian: 16.50–17.10 on 6010, 9570, 11810 kc/s.
"Problema della radio" (in English and French): Sun. at 17.10–17.30 on 6010, 9570, 11810 kc/s.

OVERSEAS SERVICE

08.15–08.55 **English** to *Pacific* on 15120, 15400, 17770, 17800, 21560 kc/s.
09.00–09.55 **Italian** (Dictation) on 15120, 15400, 17770, 17800, 21560 kc/s.
10.00–10.40 **French** to *Africa* on 17800, 21560 kc/s.
10.45–12.15 to *Far East* on 17800, 21560 kc/s. *News:* 10.45 **English**, 11.15 **French**, 11.45 **Japanese.**
10.00–10.40 **Arabic** on 15120, 15400, 17770 kc/s.
14.05–14.55 **Italian** (News-dictation) on 9570, 11810, 15320, 17800, 21560 kc/s.
15.00–16.00 **Urdu & Hindi** to *Pakistan, India* on 11810, 15320, 17770, 17800, 21560 kc/s.
16.05–16.45 **Italian, Arabic, Tigrino** to *East Africa* on 11810, 15320, 15400, 17770, 17800 kc/s.
16.50–17.15 **Persian** to *Iran, Afghanistan* on 15400, 17800
17.20–17.55 **Italian** to *Africa* on 11900, 15400 kc/s.
20.05–20.35 **English, Italian** to *South Africa* on 15400, 17800 kc/s.
20.40–21.10 **Arabic** on 9630, 11900 kc/s.
22.15–22.55 **Portuguese** to *Brasil* on 11900, 15400 kc/s.
22.15–22.55 **Spanish** to *South America* on 9570, 9710, 11810 kc/s.
23.00–23.55 **Italian** to *Latin America* on 9570, 9710, 11810, 11900, 15400 kc/s.
00.00–01.25 to *North America* on 11900, 15400 kc/s. *News:* 00.00 **English**, 01.00 **French.**
00.00–01.25 **Spanish** to *Central America* on 9570, 9670, 11810 kc/s.
01.30–02.45 **Italian** to *North America* on 9570, 9670, 11810, 11900, 15400 kc/s.
02.45–03.00 **English** to *North America (West Coast)* on 9570, 9670, 11810, 11900, 15400 kc/s.

Announcement: In *Italian:* "Qui La Radio Italiana che transmette sulle stazioni ad onde corte di metri . . . . .". Repeated in the various languages. – In *English:* "Here Radio Italiana, Broadcasting on short waves, metres . . .". **Interval Signal:** Bird chirping. **Verification** by QSL-card.

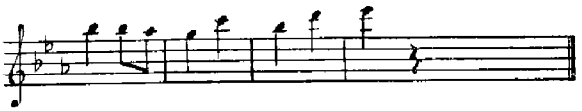
LUXEMBOURG

Address: Radio Luxembourg, Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg. *Cable:* Radio Luxembourg.
Leading Personalities: President, Mr. Emile Reuter. Vice President Delegate, Mr. Jacques Lacour-Gayet. Director General, Mr. René Louis Peulvey. Chief Engineer, Mr. Mathias Felten. Director of Programs, Mr. André Dubois la Chartre. Director of Music, Mr. Henri Pensis.
Stations: Radio-Luxembourg I and II.
I. 232 kc/s 1293 m II. 1439 kc/s 208.4 m 150 kW 6090 kc/s 49.26 m 15350 kc/s 19.54 m 5 kW

DAILY PROGRAMMES:

232 kc/s: *In French:* Sun. 06.00–23.00. Sat. 05.40–23.00. Mo. to Fri. 05.40–14.30, 16.00–23.00.
News: (French) 05.40(W), 06.00(S), 06.45(W), 07.00(S), 08.00, 09.00, 10.00(W), 11.00(W), 12.00, 13.00, 14.00(W), 17.00(W), 18.15, 19.00, 20.00, 21.00(W), 22.00(W).
Religious Programmes in German: Wedn. 10.45–11.00, Fri. 15.45–16.00. Sat. 10.45–11.00.
Highlights: *"Passe-temps les Dames et des Demoiselles":* Wedn. 16.30. *"Heure theatrale":* Mo. 20.00 (also 6090 kc/s). *"Reine d'un Jour":* Tues. 19.00 (also 6090 kc/s). *"Album Musical":* Thurs. 20.30 (also 6090 kc/s). *"Pêle-Mêle":* Fri. 19.45 (also 6090 kc/s).

1439 kc/s: D. 05.30(Sun. 06.00)–09.01, 11.00–13.01, 17.00–23.00 (Sun. 23.30).
English Programmes: 18.00–23.00 (Sun. 23.30).
News in Flemish: 05.45(W), 06.45, 08.00, 09.00, 11.50, 13.00.
Record requests: W: 05.50. *Variety Concert:* 11.00, 12.00. *Luxembourg transmission:* 17.30.
15350 kc/s: D. 11.00–13.00. *News in French.* As 232 kc/s.
6090 kc/s: D. 18.00–23.00 in *French & English.* As 232
Announcement: "Ici Radio Luxembourg"
Interval-Signal: Melody played on piano: A Luxembourgian popular song.

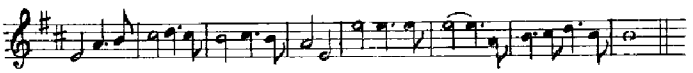


Verification by QSL-letter.

MONACO (Commercial).

Address: Radio Monte Carlo, 16 Boulevard Princesse Charlotte, Monte Carlo. – *Cable:* Radiocarlo.
Leading Personalities: Chairman of Board of Directors Mr. J. Reymond. Director General, Mr. Robert Schick. Head of Administration Mr. de la Panouse. Director of Programs Mr. Florent Fels. Chief Engineer Mr. Fromaget. Commercial Director, Mr. R. H. Dogor. Chief Editor, Mr. M. Mussier.
Stations: Radio Monte Carlo.
1466 kc/s 205 m 120 kW – 9785 kc/s 30.65 m 30 kW 6035 – 49.71 m 30 kW.

Daily Programmes in *French: Weekdays:* 06.00–08.03, 11.00–13.00, 16.30–22.30. *Sundays:* 06.00–22.05. *News:* 06.00, 07.00 (Press Review), 08.00, 11.00, 12.00, 17.00, 18.00, 18.55, 21.00, 22.00.
"Les Disques Que Vous Aimez": Mo. 21.08. – *Variety: "Reine D'Un Jour":* Tues. 19.00. – *Light Music* (relay VOA): Sun. 11.19. – *"Festival"* (Variety): Sun. 19.15. – *"L'Album Musical":* Mo. 20.02. – *"Jazz Haarlem":* Tues. 21.30. – *Orchestre Opera Monte Carlo* (Symphony): Sat. 19.55. – *"Arrêtez la Musique":* Tues. 20.02. – *"Le Bonheur Mesdames":* D. 16.30. – *"Cara Italia":* Fri. 21.15. – *"Christo per tutte le Nazioni"* (Italian): Wed. 17.05. – *"Pêle-Mêle":* Fri. 19.15. – *"Allo Monte Carlo":* Sun. 09.30. – *Topicalities and Outside Broadcasts:* Sun. 14.00–17.00.
Announcement: "Ici Monte Carlo", longueurs d'ondes: 205 m en ondes moyennes et 49m.71 et 30m.65 en ondes courtes. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs, nos émissions commencent, en voici le programme . . . . .". Some programmes are announced in Italian, English and Spanish. In Spanish daily from 22.15.
Interval-Signal: Before and after every transmission period 06.00, 11.00 and 18.00 "L'Hymne Monegasque" is played. **Verification** by QSL-cards or letter.



NORWAY

Address: Norsk Rikskringkastning, Suhmsgt. 23, Oslo. **Leading Personalities:** Director Mr. Kaare Fostervoll. Directors of Programmes: Mr. Thorstein Diesen, Director of Administration Mr. Knut Tvedt. Chief Enginee- Mr. Chr. Vibe. Chief Secretary Mr. Olav Lid. Studior Controller Mr. Arthur Klæbo. Programme-Editors Mr. Toralv Øksnevad. Mr. Carl C. Lyche, Mr. Fr. Chr. Wildhagen, Mr. Leif Rustad. Chief of Music Dept. Mr. Hugo Kramm. Chief of Plays Mr. Jens Gundersen. Editor "Programbladet" Mr. Edvin Strand. Chief of Short-wave Programmes Mr. Gunnar Nygaard.

Stations: *Medium Waves.*

	kc/s	m	kW
Tromsö	155	1935.0	10
Oslo	218	1376.0	100
Hamar	520	576.9	1
Vigra	629	477.0	100
Bodö	674	445.1	10
Finnmark	701	428.0	20
Bergen I	890	337.1	20
Kristiansand	890	337.1	20
Tröndelag	890	337.1	20
Bergen II	1115	269.1	1
Fåberg	1115	269.1	0.25
Lista	1115	269.1	0.3
Namsos	1115	269.1	1
Notodden	1115	269.1	1
Röros	1115	269.1	0.25
Stavanger	1313	228.5	100
Geilo	1466	204.6	0.25
Mo i Rana	1466	204.6	0.25
Narvik	1466	204.6	1
Odda	1466	204.6	0.25
Porsgrunn	1466	204.6	1
Svalbard	1466	204.6	0.25
Mosjöen	1484	202.2	0.025
Rjukan	1484	202.2	0.25
Frederikstad	1578	190.1	10

Short Waves. T=Tromsø. F=Fredrikstad. O=Oslo.

	kc/s	m	kW		kc/s	m	kW
T LLI	6185	48.50	10	F LLK	11850	25.32	10/100
T LLS	7210	41.61	10	F LKV	15170	19.78	10/100
T LLR	7240	41.44	10	F LLM	15175	19.77	10/100
T LKJ	9540	31.45	10	F LKW	17755	16.90	10
F LLG	9610	31.22	10	F LLN	17825	16.83	10/100
F LLH	9645	31.10	10	O LLP	21670	13.85	5
F LKQ	11735	25.56	10/100	O LLQ	21730	13.81	5

DAILY PROGRAMMES ON LONG AND MEDIUM WAVES

In Norwegian: *Weekdays:* 06.15–07.35(Sat. 08.20), 10.20–13.00, 15.45(Sat. 14.30)–22.00. *Sun.:* 07.55–14.45, 15.15–22.15.

News: 07.00(W), 08.00(S), 12.00, 18.05, 21.10.

Weather reports: 07.00(W), 08.00(S), 10.25(W), 12.00, 18.00, 21.00.

"*Folkmusic*": Approx. Sun. 16.30. – "*Den vide Verden*": Fri. 20.40. – *Symphony:* Sun., Wed., Thurs., or Fri. 19.00. *Radio Theatre:* Thurs. or Fri. 19.00.

Programs on long and medium waves are relayed by Tromsö short wave transmitter for Norwegian seamen in the North Atlantic and the North Sea:

On 9540 *kc/s:* Mo.-Fri. 06.15–07.35(Sat. 08.20), 10.20–13.00 Sun.: 07.55-14.45.

Radio Norway Short Wave Division: Knut Johansen during one of the daily transmissions for Norwegians abroad.

On 7210 *kc/s:* Weekdays: 15.45(Sat. 14.30)–22.00. Sun.: 15.15–22.15.

Regional Programs: *Bergen II:* Weekdays 11.00–11.30. *Daily:* 16.00–18.00. – *Tromsö and Finmark* in *Samisk* on 155, 701 and 7210 kc/s: Tues., Fri. 15.30–15.45.

ON SHORT WAVES:

S=Sundays. W=Weekdays. NAW=North American Waters. NA=North Atlantic. NS=North Sea. FE=Far East. IO=Indian Ocean. AW=African Waters. SA=South Atlantic. S.Am.=South America.

From Oslo and Fredrikstad. Daily:

01.00-02.00 (Sun. 02.15) to NAW, NA in 19, 25, 31 m.b. and 190 m. For Norwegians abroad.

06.15–07.30 (Sun. 07.55–10.50) to AW, SA in 13, 16, 19, 25 m.b. Relay Home Service.

11.00–12.00 (Sun. 12.15) to FE in 13, 19, 25 m.b. For Norwegians abroad.

13.00–14.00 (Sun. 14.15) to IO in 13, 16, 19, 25 m.b. For Norwegians abroad.

18.00 (Sat. 17.00, Sun. 15.00)–19.00 to AW, SA in 13, 16, 19, 25 m.b. Relay Home Service.

19.00–20.00 (Sun. 20.15) to AW, SA in 13, 19, 29, 31 m.b. For Norwegians abroad.

20.00 (Sun. 20.15)–22.00 to AW, SA in 13, 19, 25 31, m.b. Relay Home Service.

23.00–24.00 (Sun. 00.15) to S.Am, S.A. in 19, 25, 31 m.b. and 190 m. For Norwegians abroad.

Every transmission to Norwegians abroad consists of: News, Local News, Talk and Music. The last 15 minutes consists of Norwegian music or music by Norwegian artists. This section is announced in both English and Norwegian.

"*Norway this week*" in *English:* Sun: 12.00, 14.00, 20.00, 24.00 and Mo. 02.00–02.15.

Every *Saturday* (and sometimes Wedn.) a "Letter-Box" program is broadcast in Norwegian and English (the last 1/2 hour of the broadcast), in which listener's letters are answered and their musical requests are honoured.

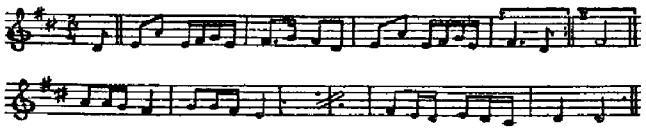
Announcements: Mediumwaves: "Dette er Norsk Rikskringkasting". – Shortwaves: "This is Radio Norway with its shortwave service for Norwegian abroad". In *Samisk:* "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgiel programa".

Norway Knut Johansen

Poland

Interval Signal: For all long- and mediumwaves:

Every *shortwave-transmission* to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal:



At opening and close down: Choir (Norwegian music).
Message to Listeners: Reports are answered by QSL-cards — and by radio Saturday evening in the English-Norwegian "letter-box" feature program.
Future plans: A 200 kW long-wave transmitter near Oslo under construction.

POLAND

Address: Komitet do Spraw Radiofonii "Polskie Radio", Noakowskiego 20, Warsaw. – *Cable:* Polskie Radio Warsaw.
Leading Personalities: For the leading of the Broadcast a leading Committee was formed October 1st 1951. Leading Personalities of the Committee are to be fixed later.
Stations:

Medium waves:	kc/s	m	kW
Warsaw Central WRC	227	1321.6	200
Gliwice	737	407.1	10
Warsaw National I	818	366.7	50
Gdansk	1304	230.0	1
Poznan	1205	249.0	6
Wroclaw	1079	278.0	50
Torun	1367	219.5	24
Cracow	1502	199.7	10
Lodz	1484	202.2	2
Szçzeçin	1259	238.3	50

Short Waves: 7.5/100 kW.

	kc/s	m		kc/s	m
Warsaw III	6115	49.06	Warsaw IV	6220	48.23
	6220	48.23		7205	41.64
	7205	41.64		9570	31.35
	9525	31.49		11740	25.55
				11815	25.39
Warsaw V	6115	49.06	WarsawVI	1079	276
	7205	41.64		7205	41.64
	9570	31.35			

HOME SERVICE

THE CENTRAL PROGRAMME

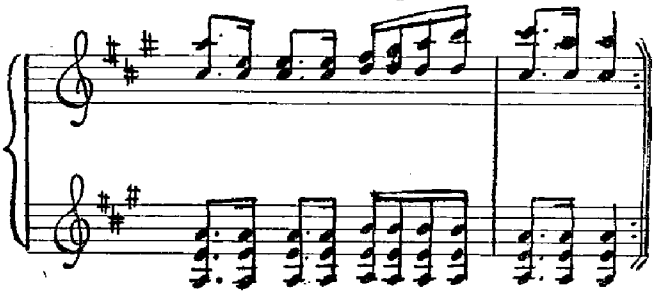
On 1321.6 m:
W.: 04.00–12.15, 14.25–22.10. Sun.: 05.00–11.15, 13.00–22.40.
News in Polish: 04.00, 05.00, 06.00, 06.55, 11.04, 15.00, 19.00, 22.00.
Highlights: *Chopin Music:* Wedn. 20.00. *Opera:* Sun. 16.00. *Symphonic Conc.:* Fri. 19.45. *Composer of the Week:* D. 16.30. *Commentary after News:* D. 19.00.

THE NATIONAL PROGRAMME

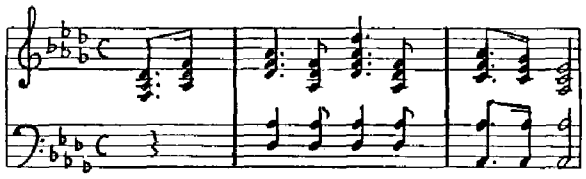
On 366.7 m:
W.: 04.00–07.00, 12.25–23.00. Sun.: 05.00–23.00.
News in Polish: 04.00, 05.30, 06.55, 16.00, 20.00, 22.50.
Highlights: *Opera:* Mon. 20.30. *Symph. Conc.:* Tues. 19.00. *Popular Conc.:* Thurs. 19.00. *Chopin Music:* Sun. 18.00. *Music, Topical items:* 18.30. *Commentary after News:* 20.00.

FOREIGN SERVICE:

English:
17.30–18.00 on 6115, 9525 kc/s – 18.15–18.45 on 7205, 9570 kc/s – 18.50–19.20 on 9525 kc/s – 20.45–21.15 on 6115 kc/s – 21.15–21.45 on 7205, 9570 kc/s – 22.00–23.00 04.15–04.45, 05.30–06.30 (for U.S.A.) on 7205 kc/s.
French:
05.00–05.30 on 6115 kc/s – 11.45–12.00 on 11740, 11815 kc/s – 13.45–14.15 on 7205, 11815 kc/s – 17.00–17.30 on 6115, 9525 kc/s – 17.45–18.15 on 7205 kc/s – 20.30–21.00 on 6220, 7205, 9570, 1079 kc/s.
German:
15.45–16.15 on 6115, 9525 kc/s – 16.30–17.00 on 7205 kc/s – 19.00–19.30 on 6115 kc/s – 21.05–21.35 on 6220 kc/s.
Greek:
04.30–04.45 on 6115, 6220 kc/s – 12.30–13.00 on 9525 11740 kc/s – 18.00–18.15 on 9570 kc/s – 19.00–19.30 on 7205, 9570 kc/s – 22.30–23.00 on 6115 kc/s.
Italian:
06.00–06.30 on 7205 kc/s – 11.30–12.00 on 7205, 9525 kc/s – 13.00–13.30 on 9525, 11740 kc/s – 14.30–14.45 on 7205, 11815 kc/s – 16.00–16.15 on 7205, 11740 kc/s – 19.30–20.00 on 6115, 7205 lc/s – 20.00–20.30 ,22.00–22.30 on 6115 kc/s – 22.20–22.50 on 1079 kc/s.
Macedonian:
11.00–11.25 on 9525, 11740 kc/s – 15.00–15.15 on 7205, 11815 kc/s – 16.30–16.55 on 6115, 9525 kc/s.
Polish:
17.15–17.45 on 7205, 9570 kc/s – 18.00–18.25 on 6115, 9525 kc/s – 20.00–20.30 on 6220 kc/s – 23.15–02.15 on 6220 kc/s (dictation news) – 00.45–01.15, 05.00–05.30 (for U.S.A.) on 7205 kc/s.
Russian:
14.00–14.30 on 9525 kc/s.
Spanish:
13.30–14.00 on 9525 kc/s – 16.15–16.30 on 9525, 11740 kc/s – 18.30–18.45 on 6115, 9525 kc/s – 20.15–20.30, 21.00–21.15 on 7205, 9570 kc/s – 21.15–21.45 on 6115 kc/s.
Yiddish:
21.50–22.05 on 6220 kc/s – 04.45–05.00 on 7205 kc/s (for U.S.A.).
Yugoslavian:
10.30–11.00, 12.00–12.30 on 7205, 9525 kc/s – 15.30–16.00 on 7205 kc/s – 20.00–20.30 on 6115, 7205, 1079 kc/s – 22.10–23.10 on 6220 kc/s.
Concert: 14.30–15.45 on 9525 kc/s.
Announcement: "Ici Varsovie, émettant sur les longueurs d'ondes de 48.23 m et de 41.64 m. Nous commencons ntreo émission en langue . . . . . .".
Interval-Signal: *Warsaw Central:* First movement of Polonaise in A flat major by Chopin.



Warsaw National and Warsaw III:



Verification by QSL-cards.

PORTUGAL

EMISSORA NACIONAL DE RADIODIFUSAO
(Government)
Address: Rua do Quelhas, 2 – Lisboa – *Cable* Emissoxa – Lisboa.
Radiopublication: "Radio Nacional", Rua do Quelhas, 2 – Lisboa – Editor: Mr. Cyrilo Damiao.
Leading Personalities: President, Antonio de Eça de Queiroz; Technical Director, Mr. Manuel Bivar; Administrative Director, Mr. Armando Stichini Vilela; Production Manager, Mr. José Luiz da Silva Dias; Transmitting Dept., Mr. Fernando da Cunha de Eça; Studios Dept., Mr. Henrique Leotte Tavares; Chief for the Administrative Bureau, Mr. José Carmo Carrilho.
Stations:

Home Service:	kc/s	m	kW	
Lisbon I	719	417	50	Nacional
Lisbon II	665	451	15	Regional
Porto	755	397	10	Nacional (North)
Coimbra	1367	219	1	Regional (Middle)
Faro	1358	221	1	Regional (South)
Atlantico Regional	1214	247	2	Ponta Delgada – Açores
Madeira	1529	196	1	Funchal – Madeira
Açores Regional	4845	61.92	1	Ponta Delgada
Lisbon	6360	47.16	10	Nacional
Açores Regional	11090	27.05	1	Ponta Delgada
Lisbon	15125	19.83	10	Nacional

Overseas Service *Centro Emissor Ultramarino Lisbon.*

kc/s	m	kW	kc/s	m	kW
6360	47.16	10	11991	25.02	50
6374	47.07	10	12749	23.53	10
7018	42.75	10	15100	19.87	50
7049	42.56	10	15125	19.83	50
9670	31.02	50	15150	19.80	50
9740	30.80	50	15380	19.51	50
9746	30.78	50	17740	16.91	5
11027	27.21	50	17860	16.80	5
11039	27.17	50	21490	13.96	5
11040	27.17	50	21660	13.85	5
11920	25.17	50	25660	11.69	5
11940	25.13	50	25690	11.68	5
11962	25.08	50			

DAILY PROGRAMMES: HOME SERVICE
During the summer (1st sunday in April to 1st sunday in Oct.) the Home Services are one hour later.
Lisbon I: W: 07.30–10.00, 12.00–14.00, 18.30–24.00. Sun.: 07.30–10.00, 11.30–24.00.
News: 13.00, 19.00, 21.00, 23.00. – *Dance Music:* 18.30 and 23.15.
Lisbon II: D. 20.00–24.00 (During football-season – September to July – 15.45–24.00 on Sun.).
Porto I (Norte Naiconal), **Coimbra** (Centro Regional), **Faro** (Sul Regional): W.: 12.00–14.00, 18.30–24.00. Sun.: 11.30–24.00.
Atlantico: W.: 12.00–14.00 in 19 m. b. 18.30–24.00 on 47 m. b. Sun.: 11.30–24.00.
Açores Regional: D. 20.00–21.00 in 27 m. b. 22.00–24.00 on 62 m.b.
Highlights (medium waves): *Symphony Concert:* 21.45 Thurs. – *Chamber Music:* 21.30 Tues. – *Play:* 22.00 Fri. *Variety:* 22.00 Mon. – *Guitar-Concert:* 23.00 Sun.
DAILY PROGRAMMES. OVERSEAS SERVICE
(In Portuguese)
Program for S. Tomé, Angola e Moçambique: 07.30–10.00 on 13, 19 m. b. 17.30–20.30 on 13, 19, 27 m. b. or 16, 25, 30 m.b.
Program for Macao e Timor 12.00–14.00 on 13, 19, 27 m.b.
Program for Gôa, Damao e Diu: 14.15–16.30 on 13, 19, 27 m.b.
Program for Brasil, Cabo Verde e Guinea: 14.15–16.30 on 13 or 16 m.b. 21.00–23.00 on 19, 27 m.b. or 27, 30 m.b.
Program for the North Atlantic (Portuguese Fishing Fleet, and U.S.A.). 00.00–02.00 on 27, 30, 47 m. b.
Programmes consist of Program Preview, Music, News, Theatre and Talks.
When two sets of frequencies are indicated the first one applies to summer conditions and the second one to winter conditions.
ANNOUNCEMENT: Home Service: "Lisboa – Emissora Nacional a trabalhar com os emissores de... (Libsoa I, Lisboa II, Porto, Coimbra, Faro) e as estações de Ondas Curtas em...". – **Overseas Service:** "Aqui Lisboa – Estaçao de Ondas Curtas da Emissora Nacional a trabalhar nos comprimentos de onda de... nas frequencias de...".
Interval-Signal: Gong.– **Verification** by QSL-cards or letters.

PRIVATE STATIONS (Commercial)

RADIO RENASCENÇA
Address: Emissora Católica Portuguesa, Rua Capelo, 5, Lisbon.
Leading Personalities: Director Mr. Manuel Lopes da Cruz.
Stations: Radio Renascença.

Lisbon	1286 kc/s	233	m	2 kW
Porto	1169 –	256.6	–	1 –
Lisbon	6154 –	48.74	–	2 –

Daily Programmes: 18.30–24.00 (Sun. also 11.15–13.00).
Announcement: *Portuguese:* "Aqui Rádio Renascença. Emissora Católica Portuguesa". *English:* "This is the Portuguese Roman Catholic Broadcasting System".
Interval Signal: Gong. – All transmissions open with a religious choir.

RADIO CLUBE PORTUGUES, PAREDE
Leading Personalities: Director A. Lima Basto.
Stations: Parede.

CSB2	1034 kc/s	290	m	20	kW
CSB51	12865 –	23.32	–	0.5	–

Daily Programmes in *Portuguese* on 290 m and 23.32 m, 11.45–14.00 (Sun. 10.00–17.45) and 19.00–24.00.
Announcement: Rádio Club Português-Parade-Portugal.
Verification by QSL-card.

LOCAL STATIONS
Medium Waves:
Radio Graca 1594 188 1 19.30–22.00.
Radio Peninsular incl. R. Acordeon and Voz de Lisboa

	1594	188	0.5	12.00–14.30, 22.00–24.00.
Club Radiofonico	1594	188	0.5	10.00–12.00, 14.30–16.50.
R. Restauracao	1594	188	0.5	17.00–19.30.
R. Universidade	665	451	0.5	19.45–21.00.
R. Ribatejo	1322	226	0.5	12.30–13.30, 18.00–20.00.
R. Club da Madeira Funchal	1484	202	1	
Radiodifusao do Funchal	1594	188	0.5	

Short Wave:
Emissora do Liceu, Pedro Nunes, Avenida Alvares, Cabral Lisbon 6003 49.98 0.25 W. 17.00–19.00. Sun. 10.00–12.00.

RUMANIA

Address: Comitetul de Radio, Bucuresti II, Strada A. St. Popov No. 41.
Leading Personality: President, Mr. Matei Socor.

Stations:	kc/s	m	kW		kc/s	m	kW
Romania	155	1935	150	Foscani	1052	285.1	5
Timisoara	557	539	50	Baja	1151	260.9	5
Timisoara II	755	397.3	50	Cluj	1151	260.9	20
Bucarest I	854	351.3	150	Orudea	1151	260.9	5
Bucarest II	1052	285.1	5	Craiova	1457	205.2	20

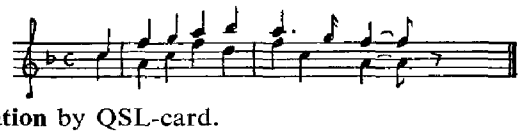
Short Waves: Bucarest, Romania Libera.
6210 kc/s 48.31 m 5 kW 9252 kc/s 32.43 m 4 kW
11887 kc/s 25.24 m 0.075 kW

DAILY PROGRAMMES: on Medium Waves.
Romania: *W:* 03.17–06.15, 11.40–22.00. *Sun.:* 04.57–22.00.
Bucarest I: *W:* 07.47–22.00. *Sun.:* 04.57–22.00.
Bucarest II: *W:* 03.17–06.15, 11.40–20.00. *Sun.:* 07.15–20.00.
Timisoara: *W:* 03.17–06.15, 11.40–13.30, 16.00–18.50. *Sun.:* 07.15–18.50.
News in Rumanian: 03.30(W), 05.00(S), 06.10, 08.30(W), 11.40(W), 12.00(S), 12.45(W), 14.00(W), 17.30, 18.45(S), 19.30, 21.30.
News in Russian: 04.55(W) on 155 & 1052 kc/s.
20.20 on 155 & 854 kc/s.
Radio Timisoara: Programmes in *Hungarian:* 04.15(W), 12.00(W), 16.30 (also on 155, 1052 kc/s), 18.40(W). *Serbian:* 05.00(W), 13.15(W), 14.40(S), 18.00. *German:* 16.00 (also on 155, 1052 kc/s), 18.30(W).

DAILY PROGRAMMES on Short Waves.

08.00–08.15	*Russian* (9252 kc/s only)		
12.45–13.30	*Serbo-Croat*	18.00	*German*
16.30	*Greek*	18.30	*Russian*
17.00	*Serbo-Croat*	19.00	*English*
17.30	*Rumanian*	19.30	*French*

Announcement:
Radio Romania Liberia: "Here is the Free Romania broadcasting station "Radio Romania Liberia".
Interval-Signals: Radio Romania and Bucarest I: The first 8 notes of "Imnul Romaniei Libere" (Free Rumania Hymn). Radio Romania Libera:



Verification by QSL-card.

SPAIN

DIRECCIÓN GENERAL DE RADIODIFUSIÓN

The Dirección General de Radiodifusión is the central authority for broadcasting in Spain, but does not operate stations of its own.
Address: Montesquinza No. 2, Madrid.
Leading Personality: Director General, Mr. Don J. S. Suevos.

RADIO NACIONAL DE ESPANA.

Address: Lopez de Hoyos 6, Madrid.
A program bulletin in Spanish and English is published monthly and is sent free on request.
Leading Personality: Director of Programmes and Broadcast, Mr. Don Enrique Thomas de Carranza.
Stations:

Medium Waves:	kc/s	m	kW
Sevilla	633	472.8	8
La Coruna	701	428	20
Madrid Arganda	737	407	120
Madrid Local	737	407	5
Huelva	833	360	0.16
Malaga EAJ9	992	302	8
Barcelona	1223	245	5
Valencia EAJ3	1258	238	5
Cuenca	1500	200.0	0.2
Short Waves:			
Malaga	7022	42.72	2
Madrid	9363	32.04	40
Madrid	15635	19.18	40

HOME SERVICE

Daily Programmes on 407 m: 07.00–10.00, 12.00–24.00. *News* in Spanish: 07.15, 07.45, 08.15, 13.30, 18.00, 20.45, 23.15. *News* at 13.30 and 20.45 relayed by all stations. *Relay Vatican Radio:* Tues. 20.00. – *Symphony Concert:* Tues. 22.00. – "*Zarzuela*" (Spanish Operette): Sat. 21.30. *Theatre* (relay): Thurs. 22.00.
Regional Stations:

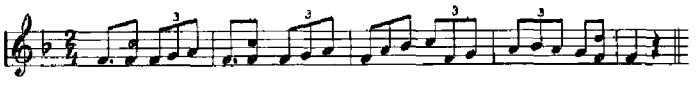
Sevilla	on 472.3 m:	13.00–15.00, 20.00–24.00.
La Coruña	– 309.9 –:	08.00.–09.00, 13.00–15.00, 19.00–23.30.
Barcelona	– 245.0 –:	12.00–15.00, 17.00–24.00.
Valencia	– 216.5 –:	07.00–09.00, 12.00–15.30, 18.00–24.00.
Cuenca	– 200.0 –:	13.00–15.00, 19.00–23.30.
Malaga	– 230.7, 42.72 m:	12.00–15.00, 19.00–24.00.

OVERSEAS SERVICE

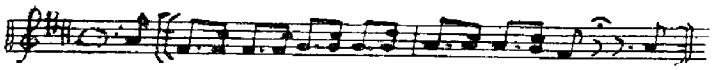
European and African Service on 9363 kc/s:

17.15	Ukrainian	18.20	Spanish	20.00	Hungarian
17.30	Italian	18.45	Slovak	20.15	English
17.45	Rumanian	19.00	French	20.45	Spanish
18.00	German	19.30	Polish	21.45	Arabic

North American Service on 9363 kc/s:
23.00–23.40 English programme "The Voice of Spain".
South American Service:
On 15635 kc/s: 16.30–17.00 in *Spanish.*
On 9363 kc/s: 21.15–21.45 in *Portuguese* for Brazil.
23.45–03.00 in *Spanish. News:* 23.50, 01.30, 02.30.
Philippine Service on 9363 kc/s: 22.15–22.45 in *Spanish.*
The programs in the Overseas Service consist of news of Spanish affairs, music, commentaries, talks and interviews with important Spanish and foreign personalities.
Announcement: "Radio Nacional de España, Madrid" in different languages except for North American Service: "The Voice of Spain".
Interval-Signal: Gong and the following tune:



During intervals:



Future-Plans: In Madrid two 100 kW and one 200 kW s.w.-transmitters under construction for Overseas Service. A television station under construction.

SOCIEDAD ESPANOLA DE RADIODIFUSION
Address: Avenida de José Antonio 32, Madrid.
Leading Personalities: President of Board, Don A. G. y Diaz-Canabate. Director General, Don Virgilio Onate Sanchez.

Stations:

Madrid EAJ7	594	kc/s	505.0	m	15	kW
Sevilla EAJ5	773	–	388.0	–	5	–
Barcelona EAJ1	809	–	371.0	–	10	–
S. Sebastian EAJ8	1075	–	279.0	–	1.5	–
Bilbao EAJ28	1133	–	265.0	–	5	–
Valencia	1385	–	217.0	–	5	–
Galicia EAJ4	1447	–	207.0	–	0.15	–
Alicante EAJ34	1447	–	207.0	–	0.2	–
Alcira EAJ54	1492	–	201.1	–	0.2	–
Reus EAJ11	1500	–	200.0	–	0.2	–

Associated Stations: 11.00–15.00, 19.00–23.00.

	kc/s	m	kW		kc/s	m	kW
Mallorca	1435	209.0	0.2	Badajoz	1492	201.1	0.6
Castilla	1447	207.3	9	Murcia	1492	201.1	0.2
Granada	1447	207.3	1	Valladolid	1492	201.1	0.2
Jaen	1450	207.0	0.2	Castellón	1500	200.0	0.2
Albacete	1492	201.1	0.4	Coruña	1500	200.0	0.3

Radio Internacional: See Tangier.

DAILY PROGRAMMES in *Spanish:*
Madrid EAJ7: 12.00 24.00. Listeners' Hours: D. 17.00. *Signature Tune:* R. Madrid: "Suspiros de Espana". **Valencia:** 12.00–23.00. **Sevilla:** 12.00–24.00. **Barcelona** EAJ1: 11.00–23.00.

Radio Mediterraneo de Valencia.
Address: Av. del Marques de Sotelo 2, Valencia.
Station: Valencia 7037 kc/s 42.63 m 1 kW: 12.00–23.00.
Announcement: "Radio Mediterraneo de Valencia, Emisora de la Sociedad Espanola de Radiodifusion". At opening is played the march "Hacia Valencia" and on closing down "Marcha de la Ciudad".

Radio Mallorca.
Address: Calle de la Paz 15, Palma de Mallorca.
Leading Personality: President, Mr. Antonio Garrigues.
Daily Programmes: 1435 kc/s 209 m 12.00–14.30(Sun. 16.00), 19.00–22.30(Mo. 23.30).

COMPANIA DE RADIODIFUSIÓN INTERCONTINENTAL.
Address: Diego de León, 50, Madrid. *Cable:* "Ondatlantic".
Leading Personalities: Director General, Don Jose J. Peralta. Director of Programmes, Don D. Ridruejo.

Stations:

Madrid	917	kc/s	327.2	m	10	kW
Zaragoza	872	–	344	–	30	–
Asturias (Oviedo)	1428.5	–	210	–	0.2	–
R. Malaga	1320	–	226	–	1.2	–
R. Huelva	1435	–	203	–	1	–
Valencia	1447	–	207.3	–	0.2	–
R. Espanade Gerona	1447	–	207.0	–	0.2	–
Cordoba	1450	–	207.3	–	0.2	–
R. Orensa	1495	–	201	–	0.2	–
Short Wave:						
R. Alicante-Levante	7940	–	37.78	–	1.2	–

R. Afrika: See Tangier. *R. Andorra:* See Andorra.
R. Atlántico See Spanish Guinea.

Daily Programmes Madrid: 12.00–15.00, 18.00–24.00.
Announcement: At opening and closing down is played the pasodoble "Nino de Jerez" followed by "Aqui Madrid, Emisora Radio Intercontinental".

Daily Programmes Zaragoza: 08.00–09.00, 12.00–14.30, 18.00–23.00. *News:* 12.50–13.30*, 20.45*.
* relay R. Nacional de Espana.

"RADIO ESPANA"
Addresses: Rambla de los Estudios, 8 Barcelona. – Manuel Silvela, 9 Madrid.
Leading Personalities: Director in Barcelona Mr. Alfonso Banda. – Director in Madrid Mr. Luis Caceres.

Stations:

Madrid EAJ2	850	kc/s	353	m	3.5	kW
Barcelona	1122	–	267.1	–	1.0	–

Daily Programme:
Barcelona: 12.30–15.00, 17.00–18.30, 19.30–23.00
Madrid: 12.30–15.00, 18.00–23.30

SINDICATO ESPANOL UNIVERSITARIO.
Address: Diego de Leon 49, Madrid. Cable: Radio S.E.U.
Leading Personalities: Director Anibal Arias Ruiz,

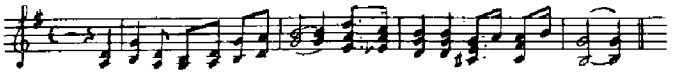
Stations:

Radio SEU	1300	230.0	1 and 7140	42.02 1 18.00–24.00.
R. Martorell	7100	42.25	0.1	11.00–15.00
R. Igualada	7281	41.20	0.15	12.00–14.00, 19.00–22.30.
R. Cadiz	7200	41.67	0.6	12.00–14.00, 20.00–23.00.
R. Menorca	7100	42.25	0.08	19.00–23.00.
R. Murcia	7100	42.25	0.2	

Daily Programmes for R. SEU: *W:* 18.00–24.00. *Sun.:* 13.00–17.00 18.00–24.00. *Listeners' Mail:* Sun. 14.30. – *Sala de Fiestas:* Sun. 15.00.

Announcement: "Radio SEU, Madrid" or "Emisora Nacional del Frente de Juventudes de España" or "Estacion Escuela num. 1, Radio SEU, Madrid". At opening the march "Juventud Española" and on closing down the march "Prietas las Filas" and National Anthem.
Interval-Signal: Gong. – **Verification** by QSL-card.

LA VOZ DE LA FALANGE.
Address: Alcaeá 44, Madrid.
Leading Personalities: Director, Senor T. Delgado. Programme Director, D. Porres.
Station: Madrid 7380 kc/s 40.65 m 1 kW
Daily Programmes: 19.00–20.30, 22.00–00.30.
Football Commentary: Sun. Mo. 19.30. – *Bullfight Commentary:* Fri. 19.30.
Announcement: "Esta Emisora es 'La Voz de la Falange"
Interval-Signal: A few bars of the "Cara al Sol", at the beginning of every broadcast.



At opening: "A la voz del capitan". On closing: Falange anthem. **Verification** by QSL-letter.

RADIO FALANGE DE ALICANTE.
Address: Angel Lozano, 20 (Entlo), Alicante.
Leading Personalities: Director Sr. Don Bartolomé Cardoa. Program Director Sr. Don Alfredo Marciel.
Station: Alicante 7940 kc/s 37.78 m 0.75 kW.
Daily Programmes: 11.00–15.00, 18.00–23.30.
Relay R. Vatican: D. at 20.00.
Announcements: At opening the march "Heroina" followed by "Radio Falange de Alicante, Colaborador de la Compania de Radiodifusión Intercontinental". – **Verification** by QSL-card.

RADIO FALANGE DE VALLADOLID.
Address: Santiago 2, Valladolid.
Leading Personality: Director Mr. Don C. Alvarez.
Stations: Valladolid 1300 kc/s 230.7 m 0.5 kW
7006 – 42.83 – 0.5 –
Daily Programmes: 12.30–14.30, 20.00–23.00.
Bullfight Commentary: Tues. 22.00. – *"The Voice of the Falange":* Wed. 22.00. – *Variety:* Fri. 22.00.
Announcement: "F.E.T.1 Radio Falange de Valladolid".
Interval-Signal: Strokes on multi-note gong.

RADIO ALERTA.
Address: Plaza de Tetuan 3, Valencia.
Leading Personalities: Director Sr. Don José M. Póveda Ariño. Sub-Director Sr. Don Rafael Martinez Molina.
Station: 7500 kc/s 40.00 m 0.2 kW.
Daily Programmes: 19.30–20.30, 21.30–23.00.
In Spanish, German, Italian and English. – *Symphony:* Thurs. 22.05. – *International Commentary:* Mo. 22.15.
Announcement: "Transmite Radio Alerta, Emisora local de la Guardia de Franco". At opening and closing down the "Cara al Sol" march.

RADIO FALANGE DE OVIEDO.
Address: Asturias 15, Oviedo.
Stations: Oviedo 0.25 kW
1428 kc/s 210.0 m – 7230 kc/s 41.50 m.
Daily Programmes: 11.00–14.00, 19.00–23.00. On short wave only Sundays.

SWEDEN

Address: A/B "Radiotjänst" (Swedish Broadcasting Corporation), Stockholm 7.
Leading Personalities: Director General Mr. Elof Ehnmark, Director of Music Mr. Natanael Broman. Director of Talks Mr. Nils-Oluf Franzén. Director of Drama Mr. Herbert Grevenius. Director of News and Special Events Mr. Henrik Hahr. Director of Administration Mr. Erik Mattsson. Technical Director Mr. Johan von Utfall. Director of Publications Department Mr. Manne Ginsburg.
Stations:

Medium Waves:	kc/s	m	kW
Luleå	182	1648.4	10
Motala	191	1570.7	200
Östersund	420	714.3	10
Sundsvall	593	505.9	150
Malmberget	719	417.2	0.2
Stockholm	773	388.1	55
Gothenburg	980	306.1	150
Hörby	1178	254.7	100
Falun	1223	245.3	100
Kiruna	1358	220.9	0.2
Eskilstuna	1394	215.2	0.5
Hälsingborg	1394	215.2	0.5
Jönköping	1394	215.2	0.2
Kristinehamn	1394	215.2	0.2
Säffle	1394	215.2	0.4
Trollhättan	1394	215.2	0.25
Uppsala	1394	215.2	0.5
Varberg	1394	215.2	0.2
Visby	1394	215.2	0.5
Gävle	1448	207.2	0.5
Hudiksvall	1448	207.2	1.0
Örnsköldsvik	1448	207.2	0.5
Karlskrona	1529	196.2	0.5
Porjus	1529	196.2	0.075
Umeå	1529	196.2	1.0
Borås	1562	192.1	2.0
Halmstad	1562	192.1	2.0
Kalmar	1562	192.1	2.0
Karlstad	1562	192.1	0.25
Malmö	1562	192.1	2.5
Norrköping	1562	192.1	0.25
Uddevalla	1562	192.1	0.05
Örebro	1562	192.1	0.5

Short Waves Motala 12kW: From $^{15}/_{1}$ 52 Hørby 100 kW

	kc/s	m		kc/s	m
SBO	6065	49.46	SDB2	10780	27.83
	6095	49.22	SBP	11705	25.63
	7270	41.27		11880	25.25
SBU	9535	31.46	SBT	15155	19.80
	9620	31.19		21580	13.90

HOME SERVICE

Daily Programmes: W.: 05.15–13.30, 15.30–22.30 or 23.00. Sun.: 06.30– ca. 22.30.
News: 05.30 (W), 07.00, 11.30, 18.00, 21.15. The News is followed by weather forecasts. Weather Forecast for Swedish Waters daily: 16.00.
Morning Music: W. 05.45–06.40. *Hour of Devotion:* W. 06.40. *Home Magazine:* Thurs. 07.15–07.45. *Music While You Work:* Mond. Tues. Thurs. Fri. 10.00–11.00. *Recorded Concert:* Sun. 09.00–10.00, Tues. 21.30. *Devine Service:* Sun. 10.00–11.30. *Light Music:* W. 11.10–11.30. *English Course:* Sun. 07.15–07.40, Wed. 17.50–17.55. *French Course:* Fri. 17.35–17.55. *Spanish Course:* Sun. 06.40–07.00. *Variety Entertainment:* Sat. 18.30–19.30.
Announcement (National Program): "Sveriges Radio. . ." and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".

EUROPEAN AND OVERSEAS SERVICE

Daily Programmes in use until $^{15}/_{1}$ 52.
00.00–01.30 on 6065, 10780 07.30–15.15 on11705, 15155
05.15–07.30 – 6065, 10780 15.15–17.55 – 10780, 15155
07.15–07.30 – 6065, 10780 17.55–22.30 – 6065, 10780
18.30–19.00 on 10780 only
News: In *English:* Daily 18.45. In *French:* Sun. 18.30. In *German:* Weekdays 18.30.
Over to Sweden. English and Swedish: Daily 00.00–01.00.
Sweden To-Day (News Feature). English: Daily 01.00–01.15, 12.15–12.30. During the winter months 13.15-13.30.
Program Preview. English: Daily 07.30.
The National Program. Relay: 05.15–07.15, 07.35–12.15, 12.30–22.00.
Youth Meeting on the Air. English: Sun. 07.15, Sun. 15.15, Mo. 01.15.

Esperanto: Mo. 07.15, 15.15, Tues. 01.15.
Economic Survey. Swedish: Tues. 07.15, 15.15, Wed. 01.15.
Calling Swedish Seamen. Swedish: Wed. 07.15, 15.15, Thurs. 01.15.
For Missionaries. Swedish: Thurs. 07.15, 15.15, Fri. 01.15.
Press Survey. Swedish: Fri. 07.15, 15.15, Sat. 01.15.
Sweden Calling DX'ers. English: Sat. 07.15, 15.15, Sun. 01.15.

DAILY PROGRAMMES from 15/1–28/2 52.
NAE = North America East Coast. **NAW** = North America West Coast. **SA** = South America. **A, NZ, FE** = Australia, New Zealand, Far East. **I, P** = India, Pakistan. **EA** = East Africa. **SAF** = South Africa. **E** = Europe.

00.00–02.45 on 6065 kc/s to NAE.
00.00–02.45 on 6065 kc/s to NAE.
03.00–03.45 on 9535 kc/s to EA.
04.00–04.45 on 9535 kc/s to NAW.
04.00–04.45 on 9620 kc/s to IP.
05.00–06.00 on 9535 kc/s to SAF.
05.00–09.00 on 6065 kc/s to E.
05.00–23.00 on 7270 kc/s to E.
09.00–17.00 on 11705 kc/s to E.
11.00–11.45 on 21580 kc/s to SA.
12.00–12.45 on 11880 kc/s to NAE.
13.00–13.45 on 9535 kc/s to A, NZ, FE.
14.00–16.00 on 9535 kc/s to IP.
17.00–17.45 on 9535 kc/s to EA.
17.00–23.00 on 6065 kc/s to E.
18.00–18.45 on 9535 kc/s to SAF.
19.00–20.45 on 6095 kc/s to E.
21.00–22.00 on 9535 kc/s to NAW.
23.00–23.45 on 9535 kc/s to A, NZ, FE.
23.00–02.00 on 6095 kc/s to SA.

Announcement: "This is Radio Sweden, The International Service of the Swedish Broadcasting Corporation".

Interval Signal: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren".

Switzerland: Miss Joan Rosselet and Mr. Russell Henderson (responsible for the DX-broadcasts) team up before the microphone.

Verification by verification-card. Special question by letter. Reports to "Sweden Calling DX-er"s should be addressed to DX-Editor, Radio Sweden, Stockholm 7, Sweden.

SWITZERLAND

Addresses: *Schweizerische Rundspruchgesellschaft*, Société Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Società Svizzera di Radiodiffusione – Neuengasse 30, Berne. *Cable:* Radif.
Schweizerische Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne. *Radio-Zürich*, Brunnenhofstrasse 20, Zürich. – *Radio Berne*, Schwarztorstrasse 23, Berne. – *Radio-Basel*, Novarastrasse 2, Basel. – *Radio-Lausanne*, Maison de la Radio, La Sallaz, Lausanne. – *Radio-Genéve*, 66, Boulevard Carl Vogt, Genéve. – *Radio-Lugano*, Campo Marzio, Lugano.

Leading Personalities: Director General of S.B.C., Mr. Marcel Bezençon. Head of Administration and Deputy Director-General Mr. Georges Conus. Chief of Swiss Shortwave Service, Mr. Paul Borsinger.
Managers of the Regional Centres: Beromünster: Studio Zürich, Dr. Jakob Job, Studio Berne, Dr. Kurt Schenker. Studio Basel, Dr. Fritz Ernst. *Sottens:* Studio Lausanne, Mr. Jean Pierre Méroz. Studio Genéve, Dr. René Dovaz. *Monte Ceneri:* Studio Lugano Dr. Stel io Molo.

STATIONS:
Medium Waves

Beromünster	529 kc/s	567.1 m	150	kW
Monte Ceneri	557 –	538.6 –	50	–
Sottens	764 –	392.6 –	150	–
Chur[1])	773 –	388.1 –	0.1	–
Sool[1]) n. Schwanden	1367 –	219.5 –	0.1	–
Basel[1])	1367 –	219.5 –	0.5	–
Saviése[2])	1367 –	219.5 –	0.1	–

[1]) Relay Beromünster. [2]) Relay Sottens.

Schwarzenburg: Short Waves Powers: 25–100 kW.

	kc/s	m		kc/s	m
HER2	6055	49.55	HER5	11865	25.28
HER3	6165	48.66	HED7	15120	19.84
HEI3	7210	41.61	HER6	15305	19.60
HER4	9535	31.46	HER7	17784	16.87
HEU3	9665	31.04	HER8	21520	13.94
HEI5	11715	25.61			

HOME SERVICE

Daily Programmes from Beromünster in German:
Weekdays (W): 05.15–06.30, 10.00–13.30, 15.00–22.00. *Sat.:* 05.15–06.30, 10.00–22.00. – *Sun.:* 05.55–06.45, 07.30–21.30.
News: 05.15 (W), 06.00, 11.30, 18.30, 21.15.
Progr. Preview: 06.05, 18.25. *World Chronicle:* Fri. 18.10. "*Samstags-Rundschau*" Sat. 11.40. –"*Die Stunde für das Land*": Sun. 12.30. – *Weekly Review for Swiss Abroad:* Mo. 21.20. – *Symphony Concert:* Tues. 19.00. – *Play:* Thurs. 19.30. – "*Bunte Abend*": Sat. 19.00

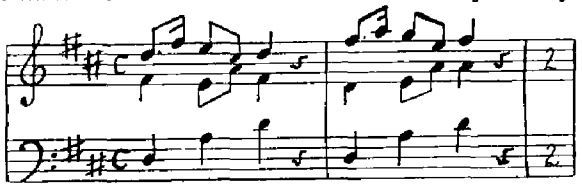
Daily Programmes from Sottens in French:
Weekdays: 06.10–06.40, 10.00–13.00 (Sat. 22.00), 15.30–22.00. *Sun.:* 06.10–06.40, 07.45–22.00.

Switzerland Joan Rosselet Russell Henderson

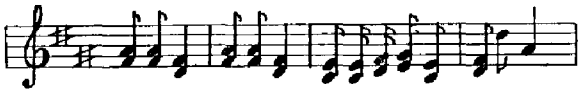
Switzerland

News: 06.15, 11.45, 18.15, 21.30.
Program Preview: 18.14. – *Music:* 06.10, 06.20, 11.15. – *Play:* Tues. 19.30. – *Symphony:* Wed. 19.30.
Daily Programmes from Monte Ceneri in Italian:
News: 06.15, 11.30, 18.15, 21.15.
Programme Preview: 18.20 – *Play:* Mo. 19.10 – *Symphony:* Thurs. 19.50.

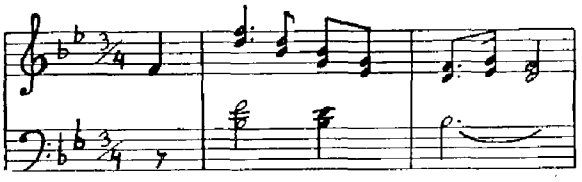
Announcements: *Beromünster:* "Schweizerischer Landessender Beromünster". – *Sottens:* "Sottens – Emetteur national Suisse". – *Monte Ceneri:* "Radio della Svizzera italiana-Stazione nazionale di Monte Ceneri".
Listener Reports are always welcome. They are answered either by QSL-card or by letter.
Interval-Signals:
Beromünster: Radio Basel: "Z'Basel a mym Rhy"



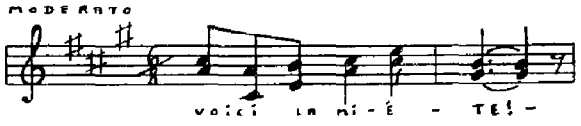
Radio Bern: "D'Zyt isch do"



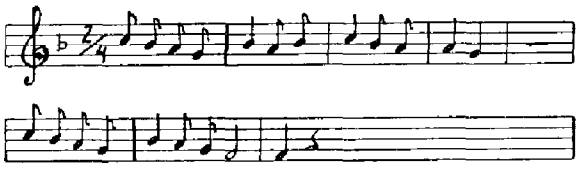
Radio Zürich: "Chum Bueb und lueg dis Ländli a"



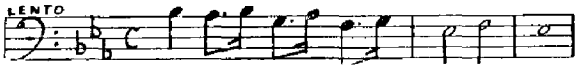
Sottens: Radio Lausanne: "Voici l'ami été"



Radio Genève: "Quelle fatale journée"
chanson de l'Escalade



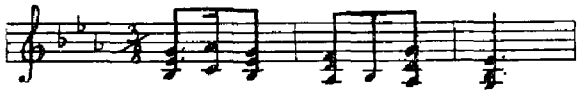
Monte Ceneri: "Campane delle Chiesa di Pazzalino"



EUROPEAN SERVICE FROM SCHWARZENBURG.
In *German, French, Italian, Romanche* on HER3, HER4.
W.: 05.15–06.40, 10.00–13.30 (Sat. 22.30), 15.00–22.30.
Sun.: 05.55–06.40, 07.45–22.30.
News: (G=German, F=French).
05.15(G), 06.00(G), 06.15(F), 11.30(G), 11.45(F), 18.15 (F), 18.30(G), 21.30(F), 22.20(G).
Esperanto: Mo. Thurs. 11.55 and 17.35.

European Service rebroadcast to Africa:
05.15 (Sun. 05.55)–06.40 on HER6, 10.00–12.30 on HER8, 14.45–22.30 on HER6.
OVERSEAS SERVICE
E=Europe, A=Australia, NZ=New Zealand, FE=Far East, J=Japan, SEA=South East Asia, Af=Africa. IP=India, Pakistan, ME=Middle East, UK=United Kingdom, Ireland, S.Af=South Africa, NA=North America, S.P.=Spain, Portugal, SA=South America.
English:
07.15–09.45 (to A, NZ, FE) on HER5, HER6, HER7.
12.45–14.30 (to J, SEA) on HER5, HER6, HER7.
14.45–16.30 (to IP) on HER5, HEU3, (to Af on HER6).
16.45–18.30 (to ME) on HER5, HEU3.
18.45–20.30 (to UK) on HEU3, HER2.
01.30–04.00 (to NA) on HER3, HEI3, HER4, HEU3, HER5.
News & Commentaries at opening of each transmission.
Features: Request programme. DX programme. Actuality broadcasts. Symphony. Swiss popular and folk music. Light entertainment, Womens interests, etc.
DX programme is broadcast: Every first Tues. of the month approx. 19.20 to UK and 02.05, 03.50 to NA. – Every first Wedn. of the month 15.20 S.Af; 07.50 A, NZ; 09.35 A, FE; 13.20 SEA, J; 15.20 IP; 17.20 ME.
Spanish:
21.00–22.15 (to S.P.) on HER2, HEU3.
23.30–01.00 (to SA) on HEI3, HEU3, HER4, HER5, HEI5.
Portuguese:
20.45–21.00 (to S.P.) on HER2, HEU3.
23.00–23.30 (to SA) on HEI3, HEU3, HER4, HER5, HEI5.

Programmes for Swiss living abroad:
Switzerduetsch: on Fri. to UK, NA; on Sat. to A, NZ, FE.
French: on Mo. to E, UK, NA; on Tues. to A, O, S.Af.
Italian: on Wed. to UK, NA; on Thurs. to A, O, S.Af.
Announcements: "Switzerland Calling" – "Do Isch d'Schwiz" – "Ici la Suisse" – "Qui e la Svizzera" – "Habla Suiza" – "Aqui Suica" – "Hier spricht die Schweiz" – "Quia eis la Svizzere" – "Parola Svislando".
Interval-Signal: *Schwarzenburg:* "Lueget vo Berg und Thal".



Verification by QSL-card. Program schedules are available (free of charge) from address: Swiss Shortwave Service, Neuengasse 23, Berne (Switzerland).

BROADCASTS FROM "COMITE INTERNATIONAL DE LA CROIX-ROUGE, GENEVA.
Chief of Broadcasting: Mr. Georges Kuhn.
In peace-time: CJCR organizes transmissions irregularly on frequencies used by the Swiss Broadcasting Organization.
In critical times: CJCR broadcasts from one of the studios belonging to the Swiss Broadcasting Organization programmes containing information of search, and use for this purpose suitable frequencies of the Swiss Broadcasting Organization.

UNO BROADCASTING FROM GENEVA
Address: United Nations Radio c/o Director of Informa-

tion Center, European Office of the United Nations, Genèva.

Stations: HBQ Geneva 20 kW.
18450 kc/s 16.25 m 6672 kc/s 44.07 m

Daily Programs: Weekdays on 6672 kc/s: 18.30 English Bulletin. – 18.40 French Bulletin.

TRIESTE FREE TERRITORY

Address: Radio Trieste, Piazza Oberdan N. 5, Post Box N. 460, Trieste FTT. *Cable:* Radio Trieste.

Leading Personalities: Director, Mr. H. L. Jacobsen (American), Director, Dr. G. Candussi (Italian). Deputy Directors, Mr. W. M. Harrison (English), Mr. L. Fonda (Italian).

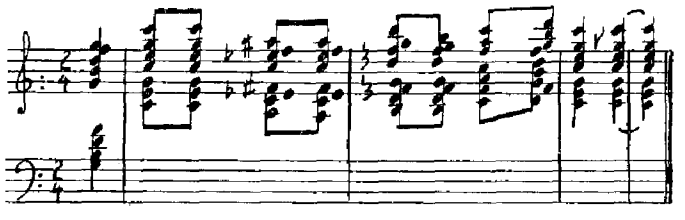
Stations:
Radio Trieste I 1142 kc/s 262.7 m 10 kW
Radio Trieste II: 980 – 306 – 2.5 –

Daily Programmes:
Trieste I: In *Italian* 06.15–07.30, 10.30–14.00, 15.45–23.00.
Trieste II: In *Slovene* 06.15–07.30, 10.30–13.30, 16.30–23.00. Sun. 06.15–23.00.

News: In *Italian* 06.30, 12.00, 19.00, 22.10. – In *Slovene* 06.15, 11.45, 18.45, 22.15. –
Relay of Voice of America: Italian 18.00.

Announcement: In *Italian* "Questa e Radio Trieste prima". In *Slovene:* "Tukai je Radio Triest postaja dve".

Interval Signal: *Trieste I:* Motif of a popular Triestine song played on harp:



BRITISH FORCES RADIOSTATION (British-USA Zone)
Address: Via Bellosguardo 8, Trieste.
Station: 1385 kc/s 210.8 m 1 kW.
Daily Programmes: W. 06.30–08.30, 12.00–24.00. Sun. 07.30–24.00.

AMERICAN FORCES STATION (British-USA Zone)
Address: Via Piccardi 16, Trieste.
Station: 1304 kc/s 230 m 1 kW.
Daily Programmes: W. 06.00–08.00, 10.00–24.00. Sat.: 06.00–24.00. Sun.: 09.00–24.00.

RADIO TRIESTE (Jugoslav Zone)
Address: Radio Capodistria, Capodistria Trieste.
Station: 1178 kc/s 254.7 m 6 kW.
Daily Programmes: W. 06.00–07.00, 12.00–15.00, 18.00–23.30. Sun. 07.00–15.30.

U. S. S. R.

Address: Radio Centre, P.O. Box 787, Moscow.

STATIONS:

Medium Waves:

Kowno	154 kc/s	1948 m	10 kW
Moscow	155 –	1935	100 –
Moscow I	173 –	1734 –	500 –
Moscow I	200 –	1500 –	100 –
Kiev	209 –	1435 –	150 –
Baku	218 –	1376 –	
Leningrad I	236 –	1271 –	100 –
Tbilissi	245 –	1224 –	100 –
Tashkent	254 –	1181 –	100 –
Moscow II	263 –	1141 –	150 –
Krasnojarsk	263 –	1141 –	100 –
Minsk I	281 –	1068 –	100 –
Kharkov II	385 –	779 –	100 –
Moscow II	548 –	547 –	150 –
Odessa	548 –	547 –	150 –
Riga	575 –	521.7 –	100 –
Krasnodar	611 –	491 –	20 –
Frunze	611 –	491 –	100 –
Petrozavodsk	611 –	491 –	100 –
Gorki	620 –	483.9 –	20 –
Kharkov I	647 –	464.0 –	100 –
Vilna	665 –	451.0 –	100 –
Ouchgorod	674 –	445.1 –	100 –
Rostov	674 –	445.1 –	100 –
Simferopol	674 –	445.1 –	100 –
Moscow	692 –	434.0 –	100 –
Stalino	710 –	422.0 –	150 –
Tartu	710 –	422.0 –	20 –
Kiev II	782 –	383.6 –	100 –
Leningrad II	800 –	375.0 –	100 –
Moscow III	872 –	344.0 –	150 –
Dnjepopetrovsk	890 –	337.1 –	20 –
Lvov	935 –	321.0 –	100 –
Voronezh	944 –	318.0 –	20 –
Smolensk	971 –	308.9 –	20 –
Kishinev	998 –	300.6 –	100 –
Tallinn	1034 –	290.1 –	100 –
Krasnodar	1070 –	280.4 –	20 –
Moghilev	1106 –	271.2 –	100 –
Viborg	1124 –	266.9 –	20 –
Leningrad III	1124 –	266.9 –	20 –
Kaliningrad	1142 –	262.7 –	20 –
Kursk	1214 –	247.0 –	20 –
Simferopol	1214 –	247.0 –	100 –
Tiraspol	1241 –	242.0 –	20 –
Odessa	1241 –	242.0 –	150 –
Ouchgorod	1322 –	227.0 –	100 –
Kuldiga	1349 –	222.4 –	20 –
Madona	1349 –	222.4 –	20 –
Kowno	1385 –	216.8 –	150 –
Tartu	1403 –	214.0 –	20 –
Gomel	1493 –	201.0 –	20 –

Short-Waves:
Moscow: (figures in bracket indicate number of frequencies): 65 m.b., 64 m.b., 60 m.b., 52 m.b., 50 m.b.(4), 49 m.b.(11), 48 m.b.(7), 47 m.b., 44 m.b., 42 m.b.(2), 41 m.b.(14), 40 m.b.(4), 38 m.b., 34 m.b.(4), 33 m.b., 32 m.b.(2), 31 m.b.(14), 30 m.b.(13), 26 m.b.(2), 25 m.b. (31), 24 m.b.(9), 19 m.b.(30), 16 m.b.(8).
Alma Ata: 6220, 6870, 7480, 9340, 9380 kc/s, 10 kW: 00.45–07.30, 12.00–20.00. – *Ashkabad:* 5970, 6180, 11678 kc/s, 10 kW. – *Erivan:* 7150 kc/s, 10 kW. – *Frunze:* 5060, 5480 kc/s, 25 kW.: 23.55–03.00, 04.00–08.00, 12.00–19.00. – *Grozny:* 5080 kc/s, 10 kW. – *Yakutsk:* 5930 kc/s, 10 kW.: 04.00–14.55, 20.25–23.35. – *Khabarovsk:* 5940, 6020, 7100, 8820, 9378 kc/s, 20 kW. – *Kharkov:* 7330 kc/s, 50 kW. –

Kiev: 6020 kc/s, 100 kW. – *Komsomolsk:* 9565 kc/s, 25 kW. – *Leningrad:* 5060, 7340, 7650, 9410, 9600, 9720, 9750, 11630, 17825 kc/s, 50 kW.: 02.55–11.45, 14.30–23.00. – *Magadan:* 11690 kc/s, 10 kW. – *Minsk:* 7280, 9500, 15040 kc/s, 100 kW. 02.55–18.00 – *Novosibirsk:* 9690, 15309 kc/s, 15 kW.: 23.00–07.00, 09.55–18.35. – *Petropavlovsk* 6070 kc/s, 10 kW. – *Stalinabad:* 5599, 7198, 7440 kc/s, 25 kW. – *Sverdlovsk:* 13880, 15270 kc/s, 25 kW. – *Tbilissi:* 6050 kc/s, 10 kW.: 02.25–09.20, 13.00–21.05. – *Tashkent:* 6825 kc/s, 15 kW. – 00.25–10.00, 11.00–21.05. – *Vladivostock:* 5010, 6080, 9480 kc/s, 20 kW.

HOME SERVICE:

Moscow I: On 155, 173, 200, 692 kc/s and in 50, 49, 41 31 m.b. (S. in 31, 25, 19 m.b.): 03.00–23.00 (Sat. Sun. 24.00).
News: 03.05, 04.00, 05.45, 13.00, 16.00, 20.30, 21.50. *Press Review:* 05.00, 08.00, 09.00, 10.00.
Moscow II: On 263, 548, 908 kc/s (and from 15.00 in 42, 31 m.b.): 11.45–22.00. – *News:* 18.30. – *Press Review:* 12.00, 12.45.
Moscow III: On 872 kc/s: 17.00–22.00.

STATIONS:

Vilna: 665 kc/s 04.00–11.00, 13.00–21.05. **Lwow:** 935 kc/s 03.00–12.00, 13.00–17.00. **Riga:** 575 kc/s 03.10–11.00, 13.00–19.30. **Tallin:** 1034 kc/s 03.00–12.00,14,45–20.00.

EUROPEAN SERVICE

English:
06.15–07.00 in 49, 41 m. b.
07.15–08.00 in 49, 31, 25 m. b.
10.00–10.30 in 31, 25, 19 m. b.
16.30–17.00 in 50, 49 m. b.
17.30–18.00 in 49, 41, 227 m. b.
19.00–19.30 in 49, 41, 31, 227 m. b.
19.30–20.00 in 49, 41, 31, 238 m. b.
20.30–21.00 in 49, 48, 41, 31, 238 m. b.
21.00–23.00 in 49, 41, 238 m. b.

German:
06.30–07.00 in 49, 41, 31 m. b.
08.00–08.30 in 49, 41, m. b.
11.00–11.30 in 31, 25 m. b.
15.30–16.30 in 49, 41, 31, 217, 227 m. b.
15.30–16.00 in 49, 41 m. b. (to Austria).
16.30–20.00 in 49, 41, 217, 227 m. b.
17.00–17.30 in 49, 41 m. b. (to Austria).
19.30–20.00 in 41, 257, 1068 m. b.
20.00–20.30 in 49, 41, 227 m. b.
20.30–21.00 in 49, 41, 217, 227 m. b.
21.00–22.00 in 49, 217, 227 m. b.

French:
11.30–12.00 in 31, 25 m. b.
18.00–18.30 in 49, 41, 31 m. b.
19.30–20.00 in 49, 41 m. b.
21.00–21.30 in 50, 49, 41, 31 m. b.
22.00–23.00 in 50, 41, 31 m. b. *Concert* Mo. Wed. Thurs.

Danish:
17.00–17.15 in 50, 41 m. b.; 18.30–19.00 in 50, 41 m. b.

Norwegian:
17.30–18.00 in 49, 375 m. b.; 18.30–19.00 in 48, 375 m. b.
20.00–20.15 in 49, 375 m.b.

Swedish: 17.00–17.30 in 48, 375 m. b.
19.30–20.00 in 48, 375, 521 m. b.; 20.45–21.15 in 48, 375, 521, 1034 m. b.

Italian:
05.45–06.00 in 31, 25 m. b.; 11.30–12.00 in 31, 25 m. b.
15.30–16.00 in 31, 25 m. b. (Fri. only). *Special program for RAI* (Radio Italia).
17.30–18.00 in 31, 25 m.b.; 18.30–19.00 in 31, 25, 300.6
19.30–20.00 in 41, 31, 256.6, 320.9 m. b.
20.30–21.00 in 41, 31, 25, 240, 243.5, 320.9 m. b.
21.30–22.00 in 41, 31, 252.7, 243.5 m. b.
22.00–23.00 in 41, 31 m. b. Mo. Thurs. Sat. *Concert.*

Dutch: 17.30–18.00 in 49 m.b.; 20.00–20.30 in 49, 41 m.b.

Spanish: 20.00–20.30 in 49, 41, 31 m.b.; 21.00–21.30 in 49, 48, 41 m.b.; 22.00–23.00 in 49, 41, 31 m.b.

OVERSEAS SERVICE

To North America:
23.20–06.00 in 41, 31, 25, 19 m. b.; 13.00–13.30 in 25, 19, 16 m.b.

To Latin America:
23.30–24.00 Portuguese to Brazil in 31 m. b.
00.00–02.00 Spanish in 41 m. b.

To S. E. Asia:
14.00–14.45 *English* in 31, 25, 19 m. b.

To Far East: 09.00–10.00 in 31, 25, 19, 16 m. b.; 10.30–11.00 in 31, 25, 19, 16 m. b.

VATICAN STATE

Address: Radio Station, Vatican City (Stazione Radio Città del Vaticano).
Cable: Vaticanradio.

Leading Personalities: General Manager, Father Soccorsi Prof. Filippo S. J. Director of Programmes, Father Enrico Perez Garcia S. J.

Station: Radio Vaticano; Santa Maria di Galeria (under construction).

Medium Waves		*Call letters*	*Power*
773 kc/s	388 m*)	HV2	2 kW
1484 –	202.2 –	HV5	5 –
1529 –	196.2 –	HV100	100 – **)

*) daylight hours only. **) under construction.

Short Waves

kc/s	m	*Call letters*			
5968	50.27	HVP 1	HVJ 1	HVM 1	HVG 1
6005	49.96	– 2	– 2	– 2	– 2
6030	49.75	– 3	– 3	– 3	– 3
6190	48.47	– 4	– 4	– 4	– 4
7250	41.38	– 5	– 5	– 5	– 5
7270	41.27	– 6	– 6	– 6	– 6
7280	41.21	– 7	– 7	– 7	– 7
9550	31.41	– 8	– 8	– 8	– 8
9646	31.10	– 9	– 9	– 9	– 9
9660	31.06	– 10	– 10	– 10	– 10
11685	25.87	– 11	– 11	– 11	– 11
11740	25.55	– 12	– 12	– 12	– 12
11940	25.13	– 13	– 13	– 13	– 13
15095	19.87	– 14	– 14	– 14	– 14
15120	19.84	– 15	– 15	– 15	– 15
15385	19.50	– 16	– 16	– 16	– 16
17445	17.20	– 17	– 17	– 17	– 17
17735	16.92	– 18	– 18	– 18	– 18
17840	16.82	– 19	– 19	– 19	– 19

21515	13.94	– 20	– 20	– 20	– 20
21740	13.80	– 21	– 21	– 21	– 21
25740	11.66	– 22	– 22	– 22	– 22
25780	11.64	– 23	– 23	– 23	– 23
3955	75.85	– 24	– 24	– 24	– 24

Note: The above wave-lengths are subject to change with seasonal variation, or to avoid interferences.

DAILY PROGRAMMES - News and Talks

08.00 Sun. on 50.27, 31.10 and 25.55 m
Broadcast Mass in Latin Rite, celebrated for the intentions of Holy Father. Music during the Mass. Gospel homily for 15 mins, after Mass, alternately in different languages.

09.00 Sun. on 31.10, 25.55 and 19.84 m
Oriental Liturgy. Homily in respective languages.

10.15 Sun. on 31.10, 25.55 and 19.84 m.: Religious transmission.

English:
15.00 D. on 31.10, 25.55, 19.84 and 196 m.
18.15 D. on 50.27, 31.10, 25.55 and 196 m.
15.30 Tues. on 25.55 and 16.82 m. For India, Ceylon and South Africa.

Italian:
13.30 D. on 50.27, 31.10, 388 and 196 m.
19.30 D. on 50.27, 41.21, 31.10, 202 and 196 m.
15.30 Fri. on 50.27, 31.10, 288 and 196 m. – Transmission for the ills.
07.30 Wed. and Sat. on 16.82, and 13.80 m, For Orient.
10.30 Thurs. on 16.82 and 13.80 m. For Orient.

French:
11.15 D. on 31.10 and 25.55 m
14.30 D. on 31.10, 25.55, 19.84 and 196 m.
18.45 D. on 50.27, 41.21, 31.10 and 196 m.
06.30 Thurs. on 16.82 and 13.80 m. For West Africa.

German:
12.45 D. on 31.10 and 25.55.
14.45 D. on 31.10, 25.55, 19.84 and 196 m.
19.45 D. on 50.27, 41.21, 31.10 m.

Spanish:
14.15 D. on 31.10, 25.55, 19.84 and 196 m.
20.00 D. on 50.27, 41.21, 31.10 m.
21.30 Thurs. on 25.55 and 19.84 m. For Central America.

Polish:
15.15 D. on 31.10, 25.55, 19.84 and 196 m.
19.15 D. on 50.27, 41.21, 31.10 and 196 m.

Czech:
11.30 D. on 31.10 and 25.55 m.
14.00 Tues. on 31.10, 25.55, 19.84 and 196 m.
20.45 D. on 50.27, 41.21, 31.10 m.

Slovac:
12.30 D. on 31.10 and 25.55 m.
14.00 Sat. on 31.10, 25.55, 19.84 and 196 m.
21.00 D. on 50.27, 41.21, 31.10 m.

Hungarian:
11.45 D. on 31.10 and 25.55 m.
14.00 Thurs. on 31.10, 25.55, 19.84 and 196 m.
20.45 D. on 50.27, 41.21, 31.10 m.

Portuguese:
20.30 D. on 50.27, 41.21, 31.10 m.

Russian:
18.00 Mon., Wed., Fri. on 50.27, 31.10, 25.55 and 196 m.

Rumanian:
14.00 Mon. on 31.10, 25.55, 19.84 and 196 m.
17.45 Wed. and Sun. on 50.27, 31.10, 25.55 and 196 m.

Lithuanian:
14.00 Sun. on 31.10, 25.55, 19.84 and 196 m.
19.00 Mon., Wed., Sat. on 50.27, 41.21, 31.10 and 196 m.

Croat:
14.00 Wed. on 31.10, 25.55, 19.84 and 196 m.
17.00 Sun. on 50.27, 31.10, 25.55 and 196 m.
18.00 Tues. and Sun. on 50.27, 31.10, 25.55 and 196 m.

Albanian:
17.45 Tues. and Sat. on 50.27, 31.10, 25.55 and 196 m.

Bulgarian:
17.30 Mon. and Thurs. on 50.27, 31.10, 25.55 and 196 m.

Latvian:
17.45 Mon. and Fri. on 50.27, 31.10, 25.55 and 196 m.

Ukrainian:
19.00 Tues. and Fri. on 50.27, 41.21, 31.10 and 196 m.

Dutch:
19.00 Thurs. and Sun. on 50.27, 41.21, 31.10 and 196 m.

Arabic:
17.30 Tues., Sat., Sun. on 50.27, 31.10, 25.55 and 196 m.

Abyssinian:
17.45 Thurs. on 50.27, 31.10, 25.55 and 196 m.

Byelorussian:
17.30 Fri. on 50.27, 31.10, 25.55 and 196 m.

Slovene:
17.00 Sun. on 50.27, 31.10, 25.55 and 196 m.
18.00 Thurs. and Sat. on 50.27, 31.10, 25.55 and 196 m.

Chinese:
07.30 Thurs. on 16.82 and 13.80 m.

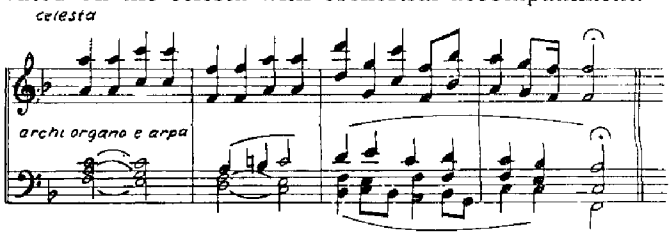
Latin:
10.00 Sat. on 31.10 and 25.55 m.
17.30 Wedn. on 50.27, 31.10, 25.55 and 196 m.
21.15 Tues. and Fri. on 50.27, 41.21, 31.10 m.

Musical Programmes:
17.00 Thurs. on 50.27, 31.10, 25.55, 202 and 196 m.

Announcement: In English: "Laudatur Jesus Christus. This is the Vatican Radio".

Opening-Signal: The bells of St. Peter's.

Interval-Signal: Carillon-Melody "Christus Vincit" executed on the celesta with orchestral accompaniment.



Message to Listener: Listeners' comments welcomed and answered. Address letters to: Vatican Radio, Vatican City. Return postage not required.

YUGOSLAVIA

Address: Office of Information of the Government of the Federal People's Republic of Yugoslavia, Broadcasting Department, Kneza Milosa 7/II, Belgrade. *For Listener's Letters:* Sekretarijat za radiodifuziju /pri Direkciji za informaciji Vlade FNRJ/, Kneza Milosa 7/II, Belgrade.
Leading Personalities: Director of Office of Information of the Government of the FPRY Mr. Ivo Sarajcic. Director of Radio Yugoslavia, Mr. Osolnik Bogdan.

Stations:	kc/s	m	kW		kc/s	m	kW
Sarajevo	611	490.9	20	Split	1412	212.4	20
Belgrade I	683	439.2	150	Pristina	1412	212.4	2
Skopje	809	370.8	20	Dubrovnik	1412	212.4	0.8
Ajdovscina	809	370.8	0.8	Rijeka	1484	202.1	1.5
Titograd	881	340.5	20	Osijek	1484	202.1	0.8
Ljubljana I	917	327.1	135	Zajecar	1484	202.1	0.3
Nis	917	327.1	1.5	Valjevo	1484	202.1	0.08
Zagreb	1133	264.7	135	Slavonski Brod	1484	202.1	0.07
Belgrade II	1268	236.6	20	Varazdin	1594	188.2	0.5
Maribor	1412	212.4	5	LjubljanaII	1594	188.2	0.2
Novi Sad	1412	212.4	2				
Bitola	1412	212.4	1				

Short Waves: Belgrade II 6100 kc/s 49.18 m, 9505 kc/s 31.56 m – 10 kW.

DAILY PROGRAMMES:

Radio Belgrade: W.: 04.15–06.15, 11.00–23.00. Sun.: 04.30 –23.00.

Radio Zagreb: W.: 04.00–06.15 (Mo. Tues. Wedn. Fri.), 04.00–07.15 (Thurs.), 04.00–07.10 (Sat.), 12.00–23.00. Sun.: 05.30–23.00.

Radio Ljubljana: W.: 04.30–06.30, 11.00–22.00. Sat.: 04.30–06.30, 11.00–23.00. Sun. 06.00–22.00.

Radio Sarajevo: W.: 04.25–06.00, 12.55–22.45, Sun.: 05.00–22.45.

Radio Skopje: W.: 04.25–06.00, 12.00–22.00. Sun.: 04.25–08.00, 11.00–22.00.

Radio Titograd: W.: 04.30–06.00, 16.00–22.10, Sun.: 05.30–09.00, 16.00–22.10.

FOREIGN BROADCASTS on Short Waves (News):

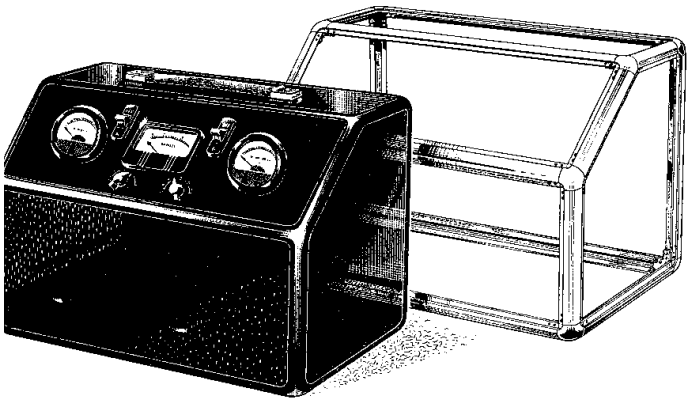
On 31,56 m:
03.30 Bulgarian, 236.6 only. – 04.00 Hungarian. 236.6 only. – 04.30 Czech. – 05.00 Spanish. – 05.30 Russian.
On 49,18 m:
14.00 Rumanian. – 14.15 Bulgarian. – 14.30 Albanian. – 14.45 Slovak. – 15.00 Russian. – 15.30 Hungarian. – 15.45 Greek. – 16.00 Polish. – 16.15 Greek. – 16.30 Russian. – 17.00 Bulgarian, also 236.6. – 17.30 Albanian, also 236.6. – 18.00 Czech, also 236.6 Polish. – 19.30 Slovak, also 236.6 Rumanian. – 18.45 Greek. – 19.00 Bulgarian, 236.6 only. – 19.30 Russian, 236.6 Czech. – 20.00 Spanish, 236.6 Hungarian. – 20.30 Russian, also 236.6, 340.5. – 21.00 Serbian, and 236.6 Rumanian. – 21.15 German, also 327.1. – 21.30 Russian, 236.6 Bulgarian. – 22.00 Czech, 236.6 and 264.7 only. – 22.15 Russian, also 439.2 and 490.9. – 22.30 Hungarian, 236.6 and 264.7 only. – 22.45 Polish, 439.2 only. – 23.15 Spanish, 439.2 only.

Announcement: "Here is Beograd. Radio Yugoslavia speaking".

Verification by letter.

Yugoslavia Hagenuk advertisement

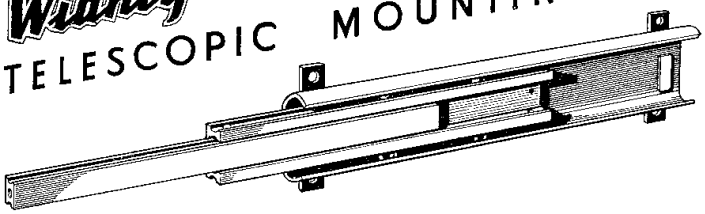
Widney-DORLEC



CABINET SYSTEM

The Widney-Dorlec Cabinet System consists of a series of prefabricated diecast corners, extruded sections and various other components which enable modern fully radiused cabinets, etc., etc., to be built without special tools.

Widney TELESCOPIC MOUNTINGS



Telescopic Mountings offer the most convenient means of obtaining complete accessibility of rack mounted equipment as each chassis can be withdrawn completely clear of its framework for easy examination.

Technical Adviser:
C. H. DAVIS
59 BROMPTON ROAD
LONDON, S.W.3

HALLAM SLEIGH & CHESTON LTD
BAGOT STREET · BIRMINGHAM · 4
ENGLAND

S.P. 62

advertisement Widney-Dorlec Davis Hallam Sleigh & Cheston Vitavox

AFRICA

ALGERIA (French).

Address: Radiodiffusion Francaise, 10 rue Hoche, Alger.
Leading Personalities: Director Regional: Mr. H. Gaynaud. Chief Engineer: Mr. Baniau & Mr. Godin. Director of Programmes: Mr. Vandelle. Administrator: Mr. Rubert.

Stations.

French Network:

Algiers I	980 kc/s	306.1 m	50	kW
Constantine I	1142 –	262.7 –	20	–
Oran I	1142 –	262.7 –	0.75	– *)

*) to be increased to 40 kW in 1952.

Arab Network:

Algiers II	890 kc/s	337.1 m	50	kW
Oran II	1304 –	230.0 –	0.25	– *)
Constantine II	1304 –	230.0 –	20	–

*) to be increased to 40 kW in 1952.

Kabyl Network:

Algiers III	1421 kc/s	211.2 m	5	kW

Short Waves:

Algiers O.C.1.	9570 kc/s	31.34 m	25	kW

DAILY PROGRAMMES:

French Network: *Weekdays:* 06.30–08.00, 12.00–14.00, 18.30–23.00 (Sat. 24.00). *Sun.:* 07.00–23.00.
News: (W = Weekdays): 06.30 (W), 07.30, 12.00 (W), 12.45, 13.55, 18.30, 20.00, 22.45.
Short Wave 9570 *kc/s: Daily* 20.00–23.00 (Sat. 24.00).
Symphony: Thurs. 20.50. *Play:* Tues. Sat. 20.30.
Variety: Wedn. 20.30.

Arabic Network: *Daily* 06.30–07.30, (Sun. 07.00–09.15) 11.40–13.45 (Sun. 14.45), 18.00–22.45 (Sat. 23.00).
Short Wave 9570 *kc/s:* From 18.30–20.00 (Tues. Wed. Fri.-Sun.). Program consists of news and Arabic music.

Kabyl Network: Weekdays 06.30–07.30, 12.00–13.00 (Sun. 13.30), 18.30–20.00.
Short Wave 9570 kc/s: Mo., Thurs., Sat. 18.30–20.00.
Announcement: in *French:* "Ici Radio-Algérie. La Radiodiffusion française en Algérie vous parle d'Alger. Nous émettons sur... Mmes, Melles, Messierurs, Bonjour".
Interval Signals: *French network:* Before and after *each transmission* extract from the melody: "La Casquette du pére Bugeaud".
Verification by QSL-card. Return-postage is suggested.

ANGOLA (Portuguese West Africa)

Language for all stations: Portuguese.

RADIO CLUB DE BENGUELA

Address: Caixa Postal No. 60. Benguela.
Leading Personalities: President: Mr. E. Simoes de Abreu. Vice President: Mr. A. P. Marques.
Stations: *Benguela.*

CR6RF	4830 kc/s	62.11 m	1	kW
CR6RB	7161 –	41.89 –	1	–
CR6RF	9502 –	31.57 –	0.35	–

Daily Programmes: 06.00–07.00, 11.15–12.45, 17.30–20.00.
Announcement: "Radio Club de Benguela, Africa Ocidental Portuguesa".
Interval Signal: Xylophone and Gong.
Verification by QSL-card.

RADIODIFUSORA LOBITO (Commercial)

Address: Estacao Radio Difusora CR6AA, P.O. Box 103, Lobito. *Cable:* Radiodifusora.
Leading Personalities: Owner: Mr. Alvaro de Carvalho. Director of Programme: Mr. M. Lopes. Chief Engineer: Mr. A. E. Ribeiro.
Stations: CR6AA 5033 kc/s 59.61 m 7177 kc/s 41.80 m 1 kW.
Daily Programmes:
Portuguese: W: 06.15–07.00, 11.30–13.00, 19.00–21.00. Sun.: 11.30–12.00, 19.00–20.00 (English).
Announcement: *Portuguese:* "Aqui Lobito, Angola, Africa Ocidental Portuguesa". *English:* "This is Lobito, Angola, Portuguese W.Africa, s.w. broadcasting st. CR6AA".
Interval Signal: 3 chimes. **Verification** by QSL-card.

RADIO CLUBE DE ANGOLA

Address: Caixa Postal 229, Luanda. *Cable:* "Radangola".
Stations:

	kc/s	m	kW		kc/s	m	kW
CR6RN	7142	42.01	1	CR6RL	9612	31.21	1

A new 20 kW transmitter will soon start experimental transmissions in the 25 m. b. –
Daily Programmes: *Weekdays:* 06.15–07.15, 11.15–12.45, 18.00–21.30. *Sun.:* 08.00–09.30, 11.15–12.45, 16.00–19.00.
News: (W = Weekdays. S = Sun.) 12.00 (W), 18.00 (S), 19.00 (W), 21.00 (W).
Announcement: "Luanda Radio Clube de Angola".
Interval-Signal: Chimes. **Verification** by QSL-card.

RADIO CLUB DE MALANGE

Address: Caixa Postal No. 83, Malange.
Station: *Malange:*

CR6RE	7140 kc/s	42.02 m	0.6 kW

Daily Programmes:
Weekdays: 12.00–12.45, 17.30–19.45. – *Sun.:* 07.00–08.00, 12.30–13.30. – **Verification** by QSL-card.

RADIO CLUB DO HUAMBO

Address: Caixa Postal 125, Nova Lisboa.
Stations: Nova Lisboa.

CR6RD	7152 kc/s	41.95 m	0,15 kW
CR6RQ	11928 kc/s	25,16 m	1 kW

Daily Programmes: 11.00–12.45, 18.00–20.30.
News: 11.30, 18.45. – "*The Voice of Huambo*": Sun. 18.10.
Announcement: "Aqui Nova Lisboa, Radio Club do Huambo".

RADIO DIAMANG. Belongs to Angola Diamond Company.
Address: Companhia de Diamantes de Angola, Dundo.
Leading Personality: Director Mr. na Lunda.
Stations: CR6RG 0.4 kW.
4770 kc/s 62.89 m 6860 kc/s 43.73 m* 8300 kc/s 36.10 m 9340 – 32.10 – *) most used frequency.
Daily Programmes in *Portuguese:*
W: 17.00–18.30. Sun.: 09.30–11.00. No news.
Announcement: "Aqui Dundo, Angola, Africa Ocidental. Portuguese, Estacao Emissora CR6RG, Radio Diamang".
Interval-Signal: At opening notes from "quissange" played on native musical instrument. At close down chimes followed by Portuguese National Anthem.
Verification by QSL-card.

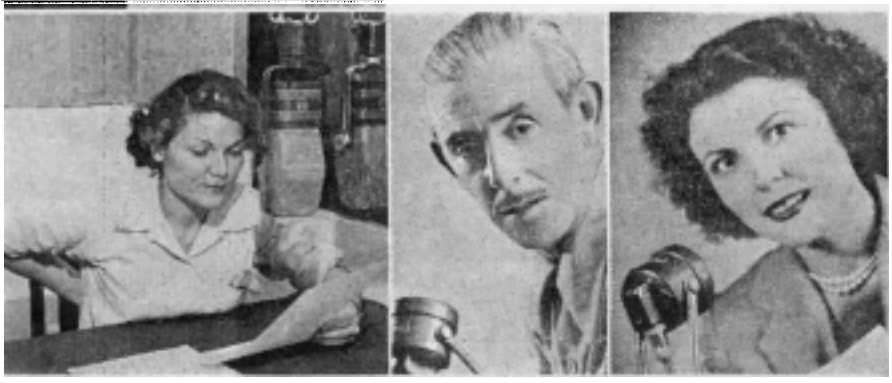
RADIO CLUBE DE HUILA

Address: Caixa Postal No. 111, Sá da Bandeira.

AFRICA AND NEAR EAST

PORTO DELGADA
SEVILLA
HUELVA
TANGIER
ORAN
TETUAN
RABAT
CAS ABLANCA
ALGIERS
CONSTANTINE
BONE
TUNIS
TRIPOLIS
BENGHAZI
VALLETTA
LIMASSOL
TEL AVIV
ANKARA
TÆBRIZ
ALEPPO
BEIRUT
DAMASCUS
JERUSALEM
BAGHDAD
TEHERAN
ALEXANDRIA
CAIRO
ASSIUT
TENERIFE
ANTA CRUZ
LAS PALMAS
DJEDDAH
MECCA
SANAA
ADEN
DAKAR
PRAIA
BISSAU
MONROVIA
RADIO CHAD
OMDURMAN
HARGEISA
ADDIS ABABA
ACCRA
LAGOS
DOUALA
MOGODISHU
NAIROBI
SAO TOME
BRAZZAVILLE
LEOPOLDVILLE
ELISABETHVILLE
DAR-ES-SALAAM
LUANDA
LOBITO
BENGUELA
LUSAKA
SALISBURY
BEIRA
TANANARIVE
JOHANNESBURG
PRETORIA
MAFEKING
PIETERMARITZBURG
BLOEMFONTEIN
LOURENÇO MARQUES
DURBAN
KIMBERLEY
CAPE TOWN
GRAHAMSTOWN
PORT ELISABETH
ST. DENIS REUNION
P. LOUIS MAURITIUS

Mozambique: Miss Valerie Meyer. English Announcer.



From left: **OTC International Goodwill Station:** Miss Jacqueline Boudoin. French Announcer.
Radio Africa (Tangier) French and Spanish Announcer.

Africa map Mozambique Valerie Meyer OTC International Goodwill Station Jacqueline Boudoin Radio Africa Tangier

Belgian Congo

Leading Personalities: President: Mr. C. F. Sartoris Galrao. General Manager: Mr. Christiano Lorena.
Station: *Sá da Bandeira.*

CR6RH	5024 kc/s	59.71 m	0.04 kW
CR6RJ	6200 –	48.39 m	1 –
CR6RJ	9755 –	30.76 –	1 –

Daily Programmes: W: 11.15–12.45, 18.30–21.00. Sun.: 11.30–12.45, 17.00–18.30. Programmes consist of music and news.
Interval-Signal: Marimba. **Verification** by letter.

RADIO CLUB DE MOCAMEDES

Address: Caixa Postal No. 174, Mocamedes.
Station: *Mocamedes.*

CR6RM	7230 kc/s	41.49 m	0.5 kW

Daily Programmes: 11.45–12.30, 19.30–20.30.
Verification by letter.

RADIO CLUB DO BIE

Address: Caixa Postal 33, Silva Porto.
Station: *Silva Porto.*

CR6RO	7203 kc/s	41.65 m	1 kW

Daily Programmes: 11.45–12.45, 16.30–18.30.
Verification by QSL-card.

RADIO CLUBE DO SUL DE ANGOLA

Address: Caixa Postal 56, Lobito.
Station: CR6RK 7180 kc/s 41.78 m 0.75 kW
Daily Programmes: 11.00–12.30, 16.30–19.00, 20.00–22.00.

RADIO CLUBE DO CUANZA SUL

Address: Caixa Postal Nr. 10, Novo Redondo.
Station: CR6RP 4932 kc/s 60.83 m 0.2. 18.00–20.00.

AZORES

Address: Emisora Regional dos Açores, Emisora Nacional, Ponta Delgada. San Miguel.
Leading Personality: C. C. de Lima Aranjo.
Stations:

CSA93	4845 kc/s	61.92 m	1 kW
CSA92	11090 –	27.05 –	1 –

Daily Programmes in *Portuguese.* (S one hour earlier). 4845 kc/s: 22.00–24.00. 11090 kc/s: 20.00–21.00.
Announcement: "Aqui Portugal Ponta Delgada, Emisora Regional dos Açores, Emissora Nacional".
Verification by QSL-card.

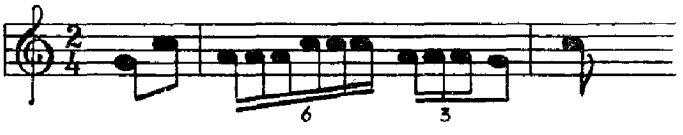
BELGIAN CONGO

THE INTERNATIONAL GOODWILL STATION OTC

Address: Radiodiffusion Nationale Belge, P. O. Box 505 Leopoldville, Belgian Congo.
Leading Personalities: Overseas Service of R. N. B. Brussels under the same General Direction. – *Brussels:* Director of Overseas Service Mr. Frans ZOETE, Assistant Mr. Hankard. *Leopoldville:* Station Manager Mr. Leopold Le Roye.
Stations: Leopoldville 50 kW.

OTC 2	9745 kc/s	30.78 m	(1st transm.)
OTC 6	9800 –	30.61 m	(2nd transm.)

Daily Programmes:
On 9745 *kc/s:*
16.00–17.45 in *French* and *Dutch:* Program for missionaries (16.00–17.15) and "Belgium calling her Countrymen in the world" (17.15–17.45).
18.00–19.00 in *Dutch:* "Calling the Netherlands and South Africa".
19.00–20.00 in *English:* "Calling Great Britain and the British Territories in Africa". News, "Amongst Friends" or "On the Air DX" (Wed.), Music.
20.00–21.15 in *French:* "Calling France, Switzerland and the French Union".
21.15–23.15 Program for Belgian Seamen and their French and Dutch friends.
On 9800 *kc/s:*
23.30–01.00 in *Portuguese (News:* 23.35*)* and *Spanish (News:* 00.45*)*. Calling South America.
01.00–01.30 in *Dutch* and *French:* "Belgium calling her Countrymen in the world".
01.30–05.15 in *French* and *English:* "Calling Canada and the United States of America". News, "Amongst Friends" or "On the Air DX" (Wed.), Music.
05.15–06.00 in *French* and *Dutch:* Program for Missionaries in the world.
Non-Stop Musical Program: Mo. 18.15–23.15 (Listeners' requests from 19.00) and 01.30–05.15.
Short Wave News and *Radio Club Information to DX'ers and Radio Amateurs:* Wed. 18.10 (Dutch), 19.10 (English), 20.10 (French).
Amongst Friends: (Swedish. Every alternate Fri. 19.10.)
Preview of the next week's musical programs: Sun. 19.10 (to Great Britain), 03.10 (to U.S.A.).
Announcements: *French:* "Ici Léopoldville, Radiodiffusion



Nationale Belge. La Voix de la Concorde". – *Dutch:* "Hier OTC. De Belgische Nationale Radioomroep. De Vriendschapsbode te Leopoldstad". – *English:* "This is OTC. The Belgian National Broadcasting Institute; the International Goodwill in Leopoldville, Belgian Congo". – *Spanish:* "Aqui Leopoldville, La Voz de la Concordia".
Interval-Signal: Native xylophone.
Message to Listeners: OTC welcomes reports from all listeners. They are answered by QSL-card and on the air in the feature "Amongst Friends", which is the forum of the OTC-Amongst Friends Club. This Club was formed two years ago following the suggestion of many regular listeners, in order to provide closer contact between the station and its listeners on one side, and between listeners themselves on the other through the pen-pal section. The club has also a stamp-collectors corner. "Amongst Friends" aims at creating a better understanding between all nations and peoples of the world and at promoting international goodwill. It is a non-profit organization, and membership tokens are forwarded to those who send either one dollar (USA) or 13 international Reply Coupons.

RADIO CONGO BELGE. (Government owned station).

Address: P. O. Box 3171, Leopoldville – Kalina.
Leading Personalities: Mr. Karel Theunissen. Head of native section: Mr. G. van Herrenweghe.

Stations:

OTMI	6295 kc/s	3.0 kW	OTM2	9380 kc/s	20 kW
OTH	9210 –	7.5 –	OTM4	11720 –	20 –

Daily Programmes:
For Europeans (in French (F.), Flemish (Fl.), Portuguese (P.)):

6295 kc/s: D. 05.00–07.00, 10.15 (Sun. 10.00)–12.30, 16.00–20.00 (Sat. 21.00). 05.00 F., 05.10 Fl., 06.00 F., 06.10 Fl., 11.10 Fl., 11.20 F., 11.50 P., 18.00 Fl., 18.45 F., 19.50 F. and Fl.

9380 kc/s: D. 05.00–07.00, 16.00–20.00 (Sat. 21.00). 05.00 F., 05.10 Fl., 06.00 F., 06.10 Fl., 18.00 Fl., 18.45 F., 19.55 F. and Fl.

11720 kc/s: D. 10.15 (Sun. 10.00)–12.30. 11.10 Fl., 11.20 F., 11.50 P.

9210 kc/s: D. 16.30–18.30 in French and four native languages. Programme consist mostly of native music, a daily news bulletin in French, weekly religious transmissions and educational talks in French and native languages.

Announcement: In *French:* "Ici Radio Congo Belge". In *Flemish:* "Hier Radio Belgisch Kongo".

Interval-Signal: Native xylophone beat.

Verification by QSL-card.

RADIO-COLLEGE
Address: Radio College, B. P. 296, Elisabethville.

Leading Personality: Rév. Perés Salésiens de Don Bosco.
Stations: Elisabethville OQ2AC, 0,25 kW.

3390 kc/s	88.50 m	7200 kc/s	41.67 m
4980 –	60.24 –		

Daily Programmes in *French:*
W: 16.30–17.30. Sun.: 07.00–09.00 – "*Séance Recréative*": Mo. 16.30–17.00. – *Concert:* Sun. 08.00. *High Mass:* Sun. 07.00. – *News:* 17.25.
In Flemish every second Fri.

Announcement: "Ici Radio-College Station Privée de radiodiffusion, située au Collége Saint Francois de Sales a Elisabethville, Congo Belge".
Verification by QSL-card.

RADIO LEO, Leopoldville.
Stations: Leopoldville, OQ2AA, 0,25 kW.

11730 kc/s	25.58 m	15170 kc/s	19.77 m

Daily Programmes: 08.30–10.45 (Sun. only).

RADIO ELISABETH
Address: A. F. M. Schovens, Box 1039, Elisabethville.

Stations: Elisabethville, OQ2AB, 0,25 kW.

7150 kc/s	41.96 m –	11900 kc/s	25.21 m

Daily Programmes: 13.00–15.00 (Sun. only).
Verification by QSL-card.

CAMEROON (French).

Address: Bureau de l'Information, Service de la Radiodiffusion, Douala.

Leading Personality: Director Mr. F. Faurnier.
Station: 9657 kc/s 31.07 m 1 kW. 17.45–20.00 News. Music.

Announcement: Ici R. Douala. **Verification** by letter.

CANARY ISLANDS

Radio Club de Tenerife.

Address: P. O. Box 225, Santa Cruz de Tenerife.

Leading Personalities: President Mr. J. G. Sanjuan. Vice-President Mr. J. A. Delgado.
Stations:

Tenerife EAJ43	1492 kc/s	201.1 –	0.2 –	
Tenerife EA8AB	7267 –	41.28	0.5 –	

Daily Programmes in *Spanish:* 201.1 m: 13.30–16.00, 19.00–24.00. 41.28 m: 22.00–24.00. *News:* 23.00, 24.00. Concert: D. on 7267 kc/s 22.00–23.00. Talks about Tenerife and folklora and local music every Mo. 23.00.

Announcement: "Transmite Radio Club de Tenerife" or "Estaciones EAJ43 y EA8AB". **Interval-Signal:** Before every broadcast from EAJ43: "Los Voluntarios" – and before every broadcast from EA8AB: "Islas Canarias".

Verification by QSL-card.

CAPE VERDE ISLANDS

Addresses: Direccao do Radio Club de Cabo Verde, Praia. Direccao do Radio Club, Mindelo, St. Vincente.

Stations:

Praia CR4AA	5895 kc/s	50.88 m	0.4 kW
St. Vincent CR4AB	7180 –	41.78 –	0.03 –

Daily Programmes in *Portuguese*: On 5895 kc/s: 20.30–22.00. News 20.30. On 7180 kc/s: 22.30–24.00.

Verification by QSL-card or letter.

EGYPT

EGYPTIAN STATE BROADCAST
Address: Egyptian State Broadcasting, Broadcasting House, Cairo.

Stations:

Cairo I	620 kc/s	483.9 m	20 kW	
Assiut	731 –	410.0 –	1	– Arabic only
Alexandria	1122 –	267.4 –	0.5	–
Cairo II	1349 –	222.6 –	10	–
Cairo SUX	7867 –	38.13 –	10	– Arabic only
	10055 –	29.83 –	10	– Fri. only

Daily Programmes: On Medium Waves:

In English and French on 620 kc/s.
10.30 (Sun. Fri. 08.00)–12.00, 15.00–21.00 (Sat. Sun. 22.00).
News: English: 11.30, 18.45, *French:* 11.45, 19.00.

In Arabic on 731 kc/s.
04.30–06.25, 08.00–09.30, 12.00–13.10, 15.30–21.25. Fri: 06.30–13.30, 15.30–21.15.

Daily Programmes in Arabic on short-wave.
On 38.13 m from 18.30–21.00. Fri. also 29.83 m.
Exverimental Fransmiddions on 9555 kc/s (31,39 m) from 1845–21.00 in French and English.

Announcement: "This is Cairo calling" in English, French, Greek. In Arabic: "Hona El Kahera".

Interval-Signal: Camell bells – **Verification** by QSL-card.

FORCES BROADCASTING SERVICE

Address: Headquarters Forces Broadcasting Service, G.H.Q., M.E.L.F. 17, Fayid, Egypt.

Stations: 1 kW.

	kc/s	m		kc/s	m
Kabrit	1349	222.4*	Lakatamia (Cyprus)	606	495
Fayid	1392	215.4	Tripoli (Tripolitania)	795	377.4
Fayid	1420	211.2	Benghazi (Libya)	833	359.8
* relay Fayid			Tripoli (Tripolitania)	1384	216
			Valetta (Malta)	1478	203

Daily Programmes in English:
Fayid: 04.00–06.15, 10.30–21.00.
Lakatamia: 04.00–06.15, 10.30–21.00. *Turkish:* 15.30–16.00. *Greek:* 16.00–17.00.
Benghazi: 10.30–21.00.
Tripoli: 04.30–06.30, 10.30–14.00, 15.30–21.00.

ETHIOPIA

Address: Radio Addis Ababa, Ministry of Posts, Telegraphs and Telephones, Box 127, Addis Ababa.
Leading Institutions: Ministry of P.T.T. (Technical Supervision) Department of Press and Information (Administration and Programmes).
Stations: *Addis Ababa* ("The Voice of Ethiopia").
9620 kc/s 31.19 m 1 kW – 15062 kc/s 19.92 m 7.5 kW
Daily Programmes:
In *Amharic:*
08.00–09.00 (Sun.) News, Commentary, Arabic Religious Service.
11.00–11.15 (Weekdays exc. Thurs.) News.
15.00–15.20 (not Tues. Sat.) News (also in Arabic).
16.30–18.00 (Tues.) News, Ethiopian Music.
11.00–12.00 (Thurs.) News, Ethiopian Music.
17.30–19.00 (Sat.) News and comments by David Talbot, Editor of "The Ethiopian Herald". Ethiopian Music.
In *English:*
14.45–16.15 *Sun.* 14.45 Adventist Hour. – 15.15 "Hymns you love". – 16.00 Gospel Half Hour.
15.20–16.00 *Weekdays: Mo.* English by Radio, Music. *Tues.* Classical Music. *Wed.* Light Music. *Thurs.* Talk. *Fri.* Music. *Sat.* Music, News. – **Verification** by letter.

FRENCH EQUATORIAL AFRICA

CENTRE DE BRAZZAVILLE

Address: Radio Brazzaville and Radio A.E.F., Box 108, Brazzaville.
Leading Personalities: Director, Mr. A. Bazire. Chief Engineer, Mr. A. Asse. Chief of Foreign Transmissions, Mr. C. D. Joos. Chief Editor Radio A.E.F., Mr. P. Panti.
Stations: * = Poste National. ** = Radio AEF.
*** = Radio Chad.

**	6024 kc/s	49.80 m	4.5 kW
*	9440 –	31.78 –	7 –
**	9970 –	30.08 –	1.5 –
*	11970 –	25.06 –	50 –
*	15595 –	19.23 –	50 –
***	15595 –	19.23 –	4.5 –
**	17840 –	16.82 –	1.5 –

DAILY PROGRAMMES:
Poste National:
05.00–07.15 on 11970, 9440 kc/s Europe, N.W.Africa.
10.00(Sun. 09.00)–12.20 on 15595, 9440 kc/s Syria, USSR.
16.00(Sun. 15.00)–18.00 on 11970, 9440 kc/s Vietnam, India, East Africa.
18.00–21.00 on 11970, 9440 kc/s Europe, N.East Africa.
21.00–23.00 on 11970, 9440 kc/s N.America, W.Africa.
23.00–01.30 on 11970, 9440 kc/s S.America, W.Africa.
News: (F=French. E=English. P=Portuguese. S=Spanish).
05.00(F), 05.15(E), 06.00(F), 07.00(F), 10.15(E), 11.30(E), 12.15(F), 16.00(E), 17.00(F), 18.15(E), 18.30(F), 19.15(P), 20.30(F), 20.50(E), 21.15(F), 22.45(E), 00.00(P), 01.00(S), 01.15(F).
English Mailbag: Thurs. at 05.25, 18.25, 22.55 after the news in English. Every Wednesday at 20.00 15 minutes in either *Danish* (every 2 weeks), *Swedish* (every 4 weeks) or *Dutch* (every 4 weeks). Other programmes mainly music.

Radio AEF (for local listeners).
11.30–13.15 (Sun. also 14.15–16.00), 17.30–20.05 (Sat. 21.00) on all frequencies.
News: in French: 12.00, 19.00. *Play:* Sun. 15.00. *African music:* 17.30–18.00. Frequent special programmes on local life or on life in France are given by Radio AEF chiefly after the two daily news bulletins. Other programmes consist of music.

Radio Chad
"Radio Chad" is an outlet of the new local station "Radio AEF", which transmits on 15595 kc/s in vernacular and Arabic for the inhabitants of the Moslem territory of Chad.
Daily Programmes in Arabic:
05.30–06.30, 18.00–18.30 Music and News.
Announcement: In *French:* "Radio Brazzaville, Poste National Français". In *English:* "Radio Brazzaville, the French National Broadcasting Station in Fr. Equ. A.".
Interval-Signal: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.
Verification by QSL-card. Return postage should be enclosed.

GOLD COAST COLONY

Address: P.O.Box 250, Accra. *Cable:* Broadcast.
A program folder in English is published weekly.
Leading Personalities: Acting Chief Broadcasting Engineer, Mr. E. E. Frewin. Senior Programmes Officer: Mr. G. Morrison.
Stations: Accra ZOY.
4915 kc/s 61.04 m 5 kW – 6049 kc/s 49.60 m 1.3 kW.
Daily Programmes in English. 09.58–11.30, 14.43–18.00. – 09.58 and 14.43: Drums and Programme Announcement. – *Gold Coast News* at 10.00, 11.00. – *News* in various dialects. 16.00. *Gold Coast News* at 17.45. *From 1st January to 31st August ½ hour later.*
Announcement: "This is the Gold Coast Broadcasting Service". – **Interval-Signal:** G. C. B.
Verification by letter. Reports should be sent to Senior Programme Officer, P.O.Box 745, Accra.

GUINEA (Portuguese)

Address: Emissora da Guiné, Estacao CQM, Bissau.
Leading Personality: President Orientadera.
Stations: CQM4 5838 kc/s 51.38 m 1 kW
CQM7 6993 – 42.90 – 1 – inactive
Daily Programmes: 21.30–23.00. *News:* 22.15.
Announcement: "Aqui Bissau, Guiné Portuguesa No ar,

o programa da Emissora CQM". **Interval-Signal:** Melody played on guitar. **Verification** by QSL-card.

GUINEA (Spanish)

COMPANIA DE RADIODIFUSION INTERCONTINENTAL (See Spain).

Address: Diego de León, 50, Madrid, Spain.
Stations: "Radio Atlántica". Fernando Poo.
8850 kc/s 33.90 m 200 kW – 11600 kc/s 25.86 m 200 kW. 17600 kc/s 17.05 m 200 kW – Stations under construction. The new high-powered s.w. transmitter is expected to start operations early 1952.

EMISORA DE RADIODIFUSION SANTA ISABEL
Stations: 7200 kc/s 41.67 m 0.5 kW.
Daily Programmes: 06.30–07.30, 12.00–14.00, 17.00–19.00. Special programmes on 1st, 10th and 20th of each month at 22.00–24.00.

KENYA

CABLE AND WIRELESS BROADCASTING SERVICE

Address: Cable and Wireless Limited, P.O.Box 777, Nairobi. *Cable:* "Empiregram".
Leading Personalities: Manager, Mr. E. G. Garneys. Programme Director, Mr. R. Coltart.
Stations: Nairobi VQ7LO.

682 kc/s	440.00 m	3 kW	Indian and African
857 –	350.00 –	6 –	English
4855 –	61.79 –	6 –	English
6060 –	49.50 –	3 –	Indian and African

Daily Programmes:
English: 10.00–11.00 (Sat. 11.10), 15.00–19.00 (Wed. Sat. 20.00). – *Indian:* 10.00–11.00, 16.00–18.40. News: 16.00 (BBC), 16.15 (Local News), 18.00 (BBC).
Announcement: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelengths of 350 and 61.79 metres — (or in Indian — 440 and 49.5 metres). – **Verification** by letter.

FORCES BROADCASTING STATION

Address: P. O. Box 4040, Nairobi.
Leading Personalities: Station Commander: Capt. D. J. L. Garbutt R. Signals. Chief Announcer: Mr. Harry Hall. Technical Officer: Mr. Roy Wells.
Stations: 1420 kc/s 211.2 m 0.25 kW.
7180 – 41.78 – 0.4 –
Daily Programmes in *English:* 03.00–05.00, 09.30–20.00. *News* (from BBC): 04.00, 11.00, 18.00. *Listeners' requests:* Mo. Fri. 16.30–17.15. Other programmes: Music, Variety, Shows, Plays.
Announcement: "This is your Forces Broadcasting Service, East Africa Command"; (given on the hour and half hour).
Interval Signal: "Marigold" played on piano.
Verification by QSL-card.

LIBERIA

Address: Liberian Broadcasting Company, Monrovia.
Leading Personality: President, Dr. John B. West.
Stations: Monrovia.

ELBC	900 kc/s	333.3 m	10 kW
ELB1	6025 –	49.79 –	1 –

Daily Programmes: 19.45–23.45. *Listeners' Choice:* Sat. 22.45–23.45.
Announcement: "This is the Liberian Broadcasting Company".

LIBYA

FORCES BROADCASTING SERVICE (see Egypt).

MADAGASCAR

Address: Radio Tananarive, Haut-Commisariat de la Republique Française á Tananarive (Madagascar).
Leading Personalities: Directeur du Poste de Radio Tananarive, Mr. Robert Guillon. Directeur du Sce Gal de l'Information du Ht-Commissariat de la Republique Française a Madagascar Mr. G. Saron.
Stations: FIQA, Tananarive.

French Network			*Malgache Network*		
kc/s	m	kW	kc/s	m	kW
6172	48.60	1	7375	40.68	0.25
9515	31.53	1	9693	30.95	0.25

Daily Programmes in *French: W.* 03.30–05.30, 09.00–11.00, 15.00–19.30. *Sun.:* 04.00–07.45, 08.30–11.00, 14.15–19.30. *News:* 04.00, 09.00, 16.00, 18.15. Sun: 05.15, 09.00, 16.00, 18.15.
Symphony: Sun. 14.15, Tues. 17.00. – *Theatre:* Thurs. and Sat. 16.30.
Daily Programmes in *Malgache:* 03.30–05.00, 08.30–10.30, 14.00–17.00. *News:* 09.00, 15.00, 16.30.
Announcement in *French:* "Ici Radio Tananarive" – at opening followed by: "Voici notre émission de la Journée diffusée sur les longueurs d'ondes suivantes——".
Interval-Signal: Malgache music.
Verification by QSL-card. Return postage requested.

MALTA

FORCES BROADCASTING SERVICE (See Egypt).

MAURITIUS

Address: Mauritius Broadcasting Service, Forest Side.
Leading Personality: Manager, Mr. Cyril de Chazal.
Stations: V3USE 1364 kc/s 219.5 m 5 kW
12121 – 24.75 – 1.5 –
DAILY PROGRAMMES: W. 03.00–04.15, 08.00–09.30 (Tues. Thurs. 10.15), 13.00 (Thurs. 12.30)–17.30. Sun: 06.15–08.45, 13.00–17.30.
French and English: W: 03.00–04.15, 08.00–09.30, 14.30–17.30. Sun. 06.15–08.00, 14.30–17.30.
News in French: 03.30 (W), 06.30(S), 08.30(W), 15.00. *News in English (BBC):* 04.00(W).
Hindustani: 13.00–14.30. *News:* 13.30. *Chinese:* Sun. 08.00–08.45, Tues. Thurs. 09.30–10.15. *News:* 10.00. *Swahili:* Thurs. 12.30–13.00.
Announcement: In *English:* "This is the Mauritius Broadcasting Service". In *French:* "Ici le Poste de l'Ile Maurice".
Signature Tunes: Opening: Brucker Lagger March: "Procession of Bacchus". **Verification** by letter.

MOROCCO (French)

Address: Radio Maroc, Immeuble des P.T.T., Rabat. For letters from listeners: "Courrier des Auditeurs", Radio Maroc.

Leading Personalities: Director General, Mr. André Fabre. Chief of News Dept., Mr. P. Peyre. Chief Engineer, Mr. Francois Gouré. Administrator, Mr. Grolleau. General Secretary, Mr. A. Lestage. Chief of Arabic Dpt. Mr. F. Gousse.

Stations: (*Network A = French. B = Arabic, Spanish*).

Network A.	Rabat I	611 kc/s	491.0 m	20	kW
Network B.	Rabat II	1043 –	287.6 –	20	–
	Fez	701 –	428.0 –	1	–
Short Wave:	Rabat	6006 –	49.95 –	2.5	–

Daily Programmes on Medium Waves:
Network A: French: W: 06.45–08.30, 12.00–14.30, 18.00 (Sat. 17.30)–23.30. Sun. 06.45–23.30. *News:* 07.00, 08.15, 13.00, 20.00, 23.30.
Concert: Tues. 21.00, Thurs. 20.00. *Mailbag:* Thurs. 20.30.
Network B: Arabic: 07.00–08.30, 12.30–15.00, 17.00–18.30, 19.30–23.30. *Spanish:* 12.00–12.30, 18.30–19.30. Sun.: 18.30–19.00.
News in Arabic: 08.15, 13.15, 14.30, 17.00 (Berbere), 20.30. *Mailbag:* Thues. 19.30, Thurs. 19.30, Sun. 14.40. *News in Spanish:* 12.00, 19.15.

Daily Programmes on Short Waves: (Relay Network A & B).

07.00–08.30	Arabic	13.00–14.30	(Sat. 15.30. Thurs. Sun. 15.00) French.
08.30–12.00	(Sun.) French		
12.00–12.30	Spanish	18.30–19.30	Spanish
12.30–13.00	Arabic	19.30–20.30	Arabic
		20.30–23.00	(Sat. 24.00) French

Announcement: "Ici Radio Maroc" or "Ici Rabat – Radiodiffusion Marocaine". In *Arabic:* "Hunna Radio el Moghrib" or "Hunna Ear Ribat".
Interval-Signal: At *opening and closing:* "Marseillaise" and "Hymne Chérifien". **Verification:** by QSL-card.

MOROCCO (Spanish)

Address: "Radio Tetuan", Empresa "Torres Quevedo" S.A., Tetuan (Stock Company).
Stations: EA9AH.

Mellila	1500 kc/s	200 m	0.2 kW
Tetuan	6067 –	49.45 –	1.5 –

Daily Programmes: *Spanish* 13.00–15.00, 19.00–23.00. *Arabic* 15.00–17.00.
Announcement: *Spanish* "Aqui Radio Tetuan, La Voz de Espana en Africa". *Arabic:* "Hüna Tetuan".
Verification by letter. **Future-Plans:** M.W. 904 kc/s 5 kW.

MOZAMBIQUE (Portuguese East-Africa)

Address: Radio Clube de Mozambique, P.O.B. 594, Lourenco Marques. *Cable:* Radioclub.
Leading Personalities: President, Capt. Antonio dos Santos Figreiredo. Vice President, Mr. Artur Meirim. General Manager, Capt. Joao Pinheiro.

PORTUGUESE NETWORK. (CR7BG = 10 kW. Other stations = 7.5 kW). (Wi = Winter, S = Summer).

CR7BM	3440 kc/s	87.21 m (Wi)
CR7BV	4815 –	62.31 –
CR7AA	7312 –	41.03 –
CR7BG	9855 –	30.44 – (Wi)
CR7BG	15180 –	19.76 – (S)

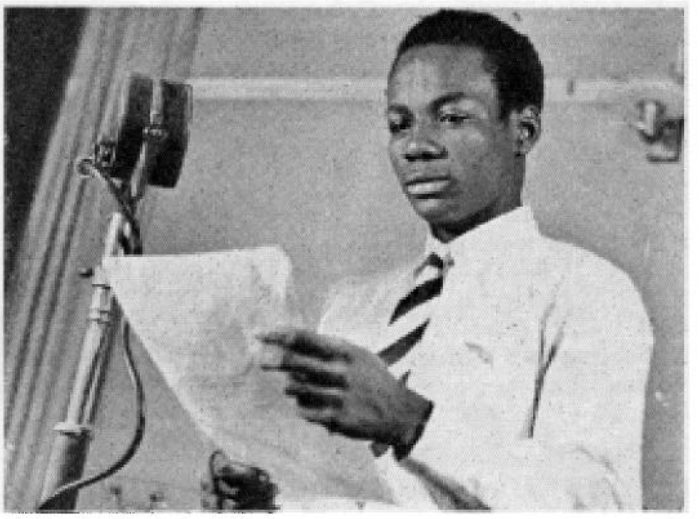
Daily Programmes: 05.00–06.00 (not CR7BM), 09.30–11.30 (not CR7BV, CR7BM), 16.00–20.00. *News:* 05.15, 10.30, 16.30 (Sun.), 17.35 (W), 19.45 (W).

ENGLISH NETWORK: 7.5 kW (Commercial).

CR7AB	3490 kc/s	85.96 m	17.00–21.00
CR7BU	4911 –	61.09 –	04.00–07.00, 17.00–21.00
CR7BC	7305 –	41.06 –	07.00–1.700
CR7BJ	9732 –	30.83 -	10.00–13.00
CR7BH	11762 –	25.51 -	04.00–17.00

Daily Programmes: 04.00–21.00 (Sat. 22.00).
Programmes consist of music, dramatic shows, etc.
Announcement: In *English:* Every quarter or half hour 4 chimes followed by "Lourenço Marques for happy listening in the . . . metre bands from 6 o'clock in the morning until 11 o'clock at night". In *Portuguese:* "Radio Clube de Mozambique".
Interval-Signal: *English programmes:* "Sarie Marais". *Portuguese programmes:* Gong. – **Verification** by QSL-card.

EMISSORA DO AERO CLUBE DA BEIRA
Address: Caixa Postal 3, Beira.
Stations: CR7IB 7199 kc/s 41.68 m 0.3 kW
Daily Programmes on 7199 kc/s.
Weekdays from 09.45–10.45 and 18.00–20.00.
Sundays from 09.00–12.00 and 17.00–20.00.
Verification by QSL-card.



R. Lagos, Nigeria: Mr. Michael Adetokumbo Olumido standing at the microphone holding the script of an announcement.

NIGERIA

Address: Radio Nigeria, Broadcasting House, Lagos.
Leading Personalities: Director of Broadcasting, Mr. T. W. Chalmers B. Sc. Chief Engineer, Mr. J.W. Murray.
Stations: 7255 kc/s 1 kW 9655 kc/s 0.3 kW
Daily Programmes: In *English, Yoruba, Ibo, Hausa:* 04.30–07.15, 11.00–23.00. *Local News:* 12.30.
Vernacular programmes: 17.00–20.00. Remainder relayed from BBC.
Announcement: "This is the Nigerian Broadcasting Service". **Verification** by letter. IRC's wanted.

REUNION (French Department)

Address: Radiodiffusion Francaise, St.-Denis.
Leading Personality: Manager, Mr. B. Guyot.
Stations: 613 kc/s 489 m 1 kW
4807 kc/s 62.54 m, 7170 kc/s 41.84 m 0.15 kW

Morocco Mozambique Nigeria Radio Lagos Michael Adetokumbo Olumido Reunion

Daily Programmes: *French:* W. 02.45–03.45, 08.15–09.15, 14.00–17.00 (Wed. 18.30, Sat. 19.00). Sun. 04.00–05.00, 07.00–09.30, 14.00–17.00.
News and *Press Review:* Daily 16.35 (from Paris).
Announcement: "Ici St.-Denis de la Reunion, Radiodiffusion Francaise". **Verification** by letter.

NORTHERN RHODESIA

Address: Broadcasting Engineer, Information Dept.,P.O. Box 209, Lusaka. *Cable:* "Inform", Lusaka.
Leading Personalities: Director of Information, Mr. V. Brelsford. Broadcasting Officer, Mr. M. Kittermaster. Chief Engineer, Mr. J. N. Reeves, A.M.I.E.E.
Stations: ZQP.
3914 kc/s 76.60 m 15 kW, 7220 kc/s 41.55 m 2.5 kW
9710 kc/s 30.90 m 0.4 kW
Daily Programmes to Africans in N. and S. Rhodesia. 14.00–17.30 on 3914, 7220 kc/s; Sun. also 09.00–10.50 on all frequencies.
English: Tues. 14.00–17.30. Sun. 08.00–10.50. *News:* Tues. 15.30, 16.00 (BBC), Sun. 10.00 Central African News. Other days in native languages.
Announcement: "This is the Central African Broadcasting station in Lusaka".
Interval-Signal: Barotse drums with "Silimba".
Verification by QSL-card or letter.

Radio Lusaka, North Rhodesia: Mr. Michael Kittermaster, Broadcasting Officer.

SIERRA LEONE

Address: Public Relations Office, 3B Trelawney Street, Freetown.
Station: 9630 kc/s 31.15 m 0.3 kW
Experimental transmissions irregularly.

SOUTHERN RHODESIA

Address: Studio Controller, Broadcasting House, Manica Road, Salisbury.
Leading Personalities: Studio Controller, Mr. John Parry. Commentator, Mr. B. Gilbert. Producer, Miss Helen Kelly.
Stations: Salisbury m. w. 2 kW. s. w. 15 kW.

Gwelo	580 kc/s	517 m	Umtali	980 kc/s	306 m
Salisbury	580 –	517 –	Salisbury	3320 –	90.36 –
Bulawayo	611 –	491 –	–	7285 –	41.18 –
Gatooma	791 –	379 –	–	9490 –	31.61 –

Daily Programmes in *English:* W: 05.55–06.10 (not 9490 kc/s). Daily: 09.00–12.00, 15.00(Sun. 16.00)–20.00. *News:* 06.00 (W.BBC), 09.10, 11.00 (BBC), 17.00 (Central African News), 18.00 (BBC), 18.15.
Sunday Morning Concert: Sun. 08.00.
Announcement: This is Southern Rhodesia.
Interval-Signal: Bells. **Verification** by letter.

SAO TOMÉ (Portuguese)

Address: Radio Clube de Sao Tomé e Principe, Sao Tomé.
Stations: Sao Tomé. 1 kW.
CR5SC 4807 kc/s 62.40 m
CR5SB 17677 – 16.97 –
Daily Programmes in *Portuguese:*
On *17677 kc/s:* 12.00–13.00 (Sun. & Thurs. only. – On *4807 kc/s:* 19.30–21.00 (daily). – *News:* 20.00.
Announcement: "Radio Clube de Sao Tomé".
Verification by letter.

SENEGAL (French West Africa)

Address: Poste Fédéral Radio-Dakar, 93 Rue Félix Faure, Dakar, A.O.F.
Leading Personalities: Director, Mr. Gipoulon. Deputy Director, Mr. Gobert.
Stations:
1433 kc/s 208 m 5 kW – 1466 kc/s 204 m 5 kW
11885 – 25.24 – 12 – – 15346 – 19.55 – 12 –

DAILY PROGRAMMES in *French, English* & native dialects:
On 1433, 11885 kc/s: 07.00–08.20 (Sun. 07.00–14.00), 12.00–13.30, 17.45 (Sun. 18.30)–23.00.
On 1466 kc/s: 19.00–19.20 (not Sun.).
On 15346 kc/s: 19.10–21.00
French: W: 07.00–08.00, 12.00–13.30, 19.25–23.00. Sun.: 07.00–14.00, 18.30–23.00.
News: 07.15(W), 08.30(S), 12.30, 19.25(W), 20.15, 22.55. (Dictation news 07.45, 12.00).
English: 19.10–21.00 (to Europe). *News:* 19.10–19.25.
Native Languages: 08.00–08.20, 17.45–19.10, 19.00–19.20.
Highlights: *Symphony:* Fri. Sun. 21.15. *Operette:* Tues. 21.00. *Request Programme:* Sun. 11.00, Thurs. 21.45. *Lunch Concert:* Daily 13.00. "*Votre Disque*": Thurs. 21.45, Sun. 11.00.
Announcement: At the beginning of every broadcast the Hymne "Infanterie de Marine". – "Ici Radio Dakar Poste Federal de l'Afrique Occidentale Française, émettant sur 25.24 m et 208 m (et 19.55 m)".
Verification by QSL-card. International reply coupons should be enclosed.

SOMALILAND (British)

Address: Information Officer, Hargeisa. *Cable:* Informat.
Leading Personality: Acting Information Officer, Mr. A. Moriano.
Station: Radio Somali.
VQ6MI 7125 kc/s 42.10 m 2 kW
Daily Programmes in Somali and Arabic: 13.15–17.15. *News* in Somali 14.00.
Announcement: "This is Radio Somali."

Northern Rhodesia Sao Tome Senegal Sierra Leone Southern Rhodesia Somaliland Radio Lusaka Michael Kittelmaster

SOMALILAND (Italian)

Station (experimental):
Mogodishu 7420 kc/s 40.45 m 1 kW.
Daily Programmes: 17.00–18.00. Italian music, news.
Announcement: "Transmette Mogodishu."

SUDAN (Anglo-Egyptian)

Address: Sudan Broadcasting Service, Public Relations Office, P. O. Box 522, Khartoum.
Leading Personalities: Broadcasting Officer, Mr. M. M. Eid. Asst. Broadc. Officer, Mr. M. A. Khangi. Studio Controller, Mr. Khater Abu Bahr.
Station: Radio Omdurman.

kc/s	m	kW		kc/s	m	kW
572.5	524	0,25	–	6112	49.06	6.5
9746	30.78	6.5	–	18070	16.60	0.5

Daily Programmes:
In *English:* Fri. 17.30–18.00. – In *Arabic:* D. exc. Fri.: 04.15–04.45, 16.30–18.00, 19.00–19.30. Fri.: 04.15–04.45, 08.00–09.30, 14.00–15.00, 16.30–17.30, 19.00–19.30.
Announcement: In *English:* "This is the Sudan Broadcasting Service calling from Omdurman". – In *Arabic:* "Huna Omdurman". – **Verification** by QSL-letter.

TANGANYIKA

RADIO DAR ES SALAAM

Address: Commissioner for Social Development, P.O.B. 1649, Dar es Salaam. *Cable:* Socwel.
Leading Personalities: Commissioner for Social Development, Mr. C. A. L. Richards. Director of Broadcasting, Mr. J. J. M. Phillips. Programme-Manager, Mr. T. L. M. Marealle. Chief Engineer, Mr. A. C. Rothney.
Station: 3330 kc/s 90.09 m 0.3 kW.
Daily Programmes in *Kiswahili & English:* Mo. Wed. Fri. 16.00–17.00. *News* in Kiswahili: 16.00–16.15.
Announcement: *English:* "This is Dar es Salaam calling". *Kiswahili:* "Hapa ni Radio Steshemi ya Dar es Salaam".
Verification by letter.

TANGIER

RADIO AFRICA TANGIER

Address: 2, rue Jeanne d'Arc, Tangier.
Cable: "Rafrica Tangier".
Leading Personalities: Chairman, Mr. J. Tremoulet. Vice-Chairman, Mr. Jean de Bournet. Commercial Manager, Mr. G. Beaudry. Director of Programmes, Mr. C. Boidin. Chief Engineer, Mr. R. J. Pinghuina.
Stations:
934 kc/s 320.9 m 20 kW*W 7101 kc/s 10 kW
685 – 438.0 – 5 – *) to be increased to 50 kW.
Daily Programmes in *English, French & Spanish:* 12.00 (from 13.00 also 685 kc/s)–16.00, 18.00–24.00. *Arab* on 934, 7101 kc/s: 18.00–19.00.
Local and Commercial News in French & Spanish: 13.30, 19.30, 20.15, 20.58, 22.00.
Symphony: Thurs. 20.30. Sat. 21.30.
Variety: 15.00, 21.15. "*Request Programme*": 14.00, 22.00. "*Ondas torinas*": Sun. 22.30.
Announcements: *English:* "This is Radio Africa Tangier". *French:* "Ici Radio Africa Tanger". *Spanish:* "Aqui Radio Africa Tanger", followed with music "Espana Cani".
Interval-Signal: Gong. **Verification** by QSL-card.

RADIO INTERNATIONAL

Address: Goya Street 34, Tangier. *Cable:* Radiointer.
Leading Personalities: President, Mr. Garrigues. Vice-President, Mr. Bensimhan. Secretary, Mr. V. Ouate. Director, Mr. H. R. Southworth. Administrator, Mr. Cuetos. Chief Engineer, Mr. M. Cordova.
Stations:

R. Intern. I	1232 kc/s	243.5 m	10 kW
R. Intern. II	1079 –	278.0 –	0.25 –
R. Intern. I	6110 –	49.10 –	1 –

Daily Programmes in *English, Spanish, French & Arabic:* 06.00–07.30, 11.00–15.00, 17.00–23.00.
News from Tangier: 12.00, 13.30, 19.15, 22.00.
"*Bringing Christ to the Nations*": Mo. to Fri. 16.00–17.00 (6110 kc/s only), *Wed.* in English, French, Persian. *Thurs.:* German, Rumanian, Greek. Announced as "The Walter A. Mayer Memorial Station in Tangier".
Announcement: In *English:* "This is Radio International broadcasting from Tangier on short and medium waves with musical programs in French, Spanish, English and Arabic... etc." – In *French:* "Ici Radio Internationale qui émet de Tanger sur ondes courtes et moyennes en Français, Espagnole, Anglais et Arabe... etc." – **Verification:** by QSL-card.

PAN-AMERICAN RADIO

Address: Pan American Broadcasting System, Edificio La Bolso, 16, rue de la Croix, British Post Office Box 49, Tangier. *Cable:* Panamericana Tangier.
Leading Personalities: Directors, Mr. C. E. Walbaum, Mr. Jaime Suriñach Oller.
Stations:

kc/s	m	kW		kc/s	m	kW
575	522.0	5 (permanent)*)				
7400	40.54	5 (s.)		15048	19.95	5 (s.)

*) will soon be increased to 50 kW.

Daily Programmes (in English, Spanish, French): 12.00–15.00, 20.00–23.00.
Economic news and currency quotations: In French at 13.30, 14,30, 20,30, 21,30. In Spanish at 13.00, 14.00, 21.00, 22,00. The programme consist mainly of music. Special programmes on various days are broadcast at 15.00–16.00, 19.00–20.00 and 23.00–01.00 and announcements are made prior to these broadcasts.
Announcements: *English:* "This is Panamerican Radio Tangier". *Spanish:* "Aqui Panamerican Radio, Tangier". *French:* "Ici Panamerican Radio, Tangier".
Interval-Signal: Central American tune "La Cucaracha".
Verification by QSL-card.

VOICE OF AMERICA RELAY BASE

Address: Voice of America, c/o American Legation, Tangier.
Tangier 1, 2, 3, 4 = 100 kW, Tangier 9, 10 = 50 kW.
Stations:

6040 kc/s	7270 kc/s	9700 kc/s	15210 kc/s	17780 kc/s
6060 –	9540 –	11710 –	15240 –	21690 –
6120 –	9560 –	11760 –	15270 –	
7200 –	9615 –	11790 –	15280 –	
7214 –	9650 –	11830 –	15340 –	
7220 –	9685 –	15130 –	17770 –	

Daily Programmes: see U.S.A. (24 hours daily).
Announcement: "This is the American Relay-Base in

Tangier, relaying the programmes of the "Voice of America"."
Verification by QSL-card.

TRIPOLITANIA

FORCES BROADCASTING SERVICE (see Egypt).

TUNISIA

Address: Radio Tunis, 2 Rue d'Alger, Tunis.
Leading Personality: Mr. M. Boissiere.
Stations:

Tunis I	962 kc/s	311.9 m	20 kW*)
Tunis II	629 –	476.9 –	20 –

*) 120 kW evening.
Daily Programmes in *French* and *Arabic:*
French: on 629 kc/s: 06.15–07.15, 11.00–13.00, 17.15–21.50. – *News:* 06.15, 07.00, 11.00, 12.00, 18.00, 19.00, 21.45.
Arabic: on 962 kc/s: 05.55–07.15, 12.00–13.15, 17.30–20.50.
Announcement: "Ici Radio Tunis" in French and Arabic.
Interval-Signal: Gong.

UNION OF SOUTH AFRICA

SOUTH AFRICAN BROADCASTING CORPORATION
Address: P.O.Box 8606, Johannesburg. *Cables:* Broadcast.
Leading Personalities: Chairman of the Board of Governors, Dr. S. H. Pellissier. Director General, Mr. G. D. Roos. Deputy Director General, Mr. N. L. Filmer. Chief Accountant, Mr. R.C.Strike. Director of Afrikaans Programs, Mr. T. van Lille. Director of English Programs, Miss G. N. Dickson. Secretary, Mr. J. P. A. van der Walt. Director of Commercial Service, Mr. E. H. Cameron McClure.

HOME SERVICES

Stations:	English		Afrikaans		Com.cial	
Medium Waves	kc/s	m	kc/s	m	kc/s	m
Johannesburg	638	470	782	384	971	309
	836	358	728	412	1025	293
Pretoria	953	315	764	393	863	348
Bloemfontein	809	371	647	464	1007	298
Kimberley	932	322	1475	203		
Grahamstown	602	498	674	445	755	397
Port Elisabeth	962	312	773	338	1178	255
Durban	800	375	665	451	989	303
Cape Town	620	484	557	539	692	434
Pietermaritzburg	566	530	629	477	710	428

		English		Afrikaans		Commercial	
Short Waves		kc/s	m	kc/s	m	kc/s	m
Johannesburg	1)	3290	91.19	3450	86.95	3356	89.39
	2)	4800	62.50	4895	61.29	4945	60.67
	3)	7230	41.50	7275	41.24	7295	41.12
	2)	9870	30.40	9523	31.50	9600	31.25
Cape Town	2)	5890	50.93	3)7255	41.36	2)9610	31.22
Pietermaritzburg				4878	61.50		

1)=Evening 1/5–31/8. 2)=Evening 1/9–30/4. 3)=Morning and Afternoon.

DAILY PROGRAMMES:
English and Afrikaans Services: W. 04.45–06.30, 08.15–12.10, 14.00–21.05. Sun.: 05.55–06.30, 08.15–21.05.
News: 05.00(W), 06.00, 11.00, 16.00, 17.00(W), 20.00,
Commercial Service-Springbok Radio: W: 04.00–22.00. Sun.: 06.00–21.00. Begins at 04.00 with "The Breakfast Session". Closes down to Con Lamprechts' special arrangement of "Vat jou goed en trek Ferreira".
Interval-Signal: For Commercial Service (Springbok Radio): GCEGA in key C.

AFRICA SERVICE (N=Night, D=Day).
Stations:

9870 kc/s	(N.1/4 –30/9)	15230 kc/s	(D.1/4 –30/9).
11940 –	(N.1/10–31/3)	17750 –	(D.1/10–31/3).

Daily Programmes: 08.30–12.15, 14.00–15.45, 16.00–20.05.
English: Tues. Thurs. Sat. *Afrikaans:* Sun. Mo. Wed. Fri.
Verification by QSL-card.

BECHUANALAND (British Protectorate)

Address: Bechuanaland Protectorate Broadcasting Station Mafeking.
Station: ZNB 8230 kc/s 36.45 m 0.2 kW.
Daily Programmes: 11.00–12.00, 17.00–19.30 (Sun. 18.00–19.00). News at 11.00(W). Relay S. A. Broadc. Corpo.
Verification by QSL-card. Returnpostage required.

NEAR EAST

AFGHANISTAN

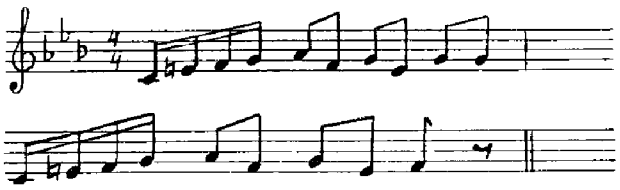
Address: "Radio Kabul, Press Dept., Kabul.
Stations: 674 kc/s 445.1 m 20 kW
9975 – 30.08 – 10 –
Daily Programmes: 14.30–17.30 in Persian and Pushtu.
On 674 *kc/s.* 14.30 News in Persian. 15.00 News in Pushtu. 15.40 Folk Music. 16.50 Classical Afghan Music.
On 9975 *kc/s.* 16.45–17.30 in *English.*
16.45 News. 16.50 Talk. 17.00 Listeners' Choice.
Verification by letter.

CYPRUS

NEAR EAST ARAB BROADCASTING STATION
Address: P. O. Box 219, Limassol, Cyprus. *Cable:* Nebsharo", Limassol.
Publish a fortnightly program pamphlet.
Leading Personalities: Director, Mr. R.Postow. Deputy Director, Mr. Rex Keating. Director of Programmes, Mr. Mohammed Bey Ghussein. Chief Engineer Mr. W. H. O. Sweeny.
Stations: Sharq al Adna 7.5 kW.

ZJM 4 6135 kc/s	48.90 m	ZJM 8 9650 kc/s	31.09 m
ZJM 5 6170 –	48.62 –	ZJM 7 11720 –	25.60 –
ZJM 6 6790 –	44.18 –		

Daily Programmes in *Arabic:*
03.55–06.30 on 9650, 6790, 6170, 6135 kc/s.
11.00 (Sun. Fri. 08.00)–16.45 on 11720, 9650, 6790, 6135 kc/s.
16.45–17.00 on 9650, 6790, 6135 kc/s.
17.00–19.00 on 9650, 6790, 6170, 6135 kc/s.
News: 04.00, 05.45, 06.00, 11.30, 15.30, 16.15, 18.30.
Program Previews: 03.55, 05.40, 11.00, 14.25.
Announcement: "Mahattat a Sharq al Adna."
Interval Signal: Arabic music on stringed instrument.



Verification by QSL-card.

FORCES BROADCASTING SERVICE (see Egypt).

IRAN

Address: The Department of Press and Propaganda, Tehran, Iran. *Cable:* "Tehran Propaganda".

Leading Personalities: Director of the Press and Propaganda Dept., Mr. Shojauldin Shafa. Assist. General, Mr. Ali Asghar Bashir Farahmand. Assist. of Foreign Propaganda Section, Mr. Homayoun Badie.

Stations:

Radio Tehran:

EQA	896 kc/s	335 m	2 kW.
EQO	3980 kc/s	75.38 m	20 kW.
EQB	6155 kc/s	48.74 m	2 kW.
EQC	9680 kc/s	30.99 m	20 kW.
EPB	15100 kc/s	19.87 m	20 kW.

Radio Täbriz:

	6092 kc/s	49.24 m	7 kW.

Daily Programmes:

Radio Tehran:

On medium wave: 04.30–20.30 in Persian, English, French, Turkish, Russian, Arabic, German and Urdu.

News: 03.30, 10.30, 15.30, 17.30.

On EPB or EQC from 18.30–20.30: 18.45 English (Sat. Mo. Wed. talks on oil; Sun. Tues. Thurs. Fri. recorded music) – 19.00 Persian for Iranians abroad incl. news and music – 19.30 German – 19.45 French – 20.00 English newc and music – 20.15 Russian – 20.30 National Anthem.

Regional stations have temporarily ceased their broadcasts.

Announcement (for Radio Tehran): in *English:* "This is Teheran". In *French:* "Ici Téhéran".

Radio Tehran broadcasts close down with clock-bells and the National Anthem. **Verification** by letter.

IRAQ

Address: Baghdad Radio Station, Baghdad.

Stations:

767 kc/s	391.1 m	0.5 kW		7092 kc/s	42.30 m	16 kW	
6135 –	48.90 –	0.5 kW		11724 –	25.58 –	16 –	
7062 –	42.48 –	0.5 –					

Daily Programmes:

Arabic: 03.55–06.00, 09.00–11.00, 13.30–19.15 on 767, 7092, 11724 kc/s.

Kurdish: 13.30–17.00 on 7062 kc/s.

English: 19.15–20.00 on 767, 7092, 11724 kc/s.

Announcements: "This is Radio Baghdad" – "Ici Radio Baghdad" – "Huna Baghdad".

Interval-Signal: Soft chirps of a mechanical nightingale.

Verification by QSL-card.

ISRAEL

ISRAEL BROADCASTING SERVICE

Addresses:

a) Departement of Broadcasting (KOL ISRAEL – "The Voice of Israel") of the Government of Israel P. O. B. 1082 Jerusalem, Israel – P. O. B. 17 Hakirya, Tel-Aviv, Israel.

b) KOL ZION LAGOLAH (The Voice of Zion to the Diaspora) of the WORLD ZIONIST ORGANISATION P. O. B. 754 Jerusalem, Israel.

Leading Personalities: Director of Broadcasting, Dr. M. Solieli. Directors of Stations of Kol Israel, Mr. Karel Salomon, Dr. Y. Spira, Mr. Hanoch Givton. Director of "Kol Zion Lagolah" Mr. Mordechai Avida. Deputy-Director of "Kol Zion Lagolah", Mr. Eliezer Argov. Chief-Engineer, Mr. M. E. Berman.

Stations:

Tel Aviv	4×B36	575	521.7	10*	04.30–06.30
					06.30–13.15
					14.00–21.05
Tel Aviv	4×B47	652	460	0.8	16.30–18.30
Jerusalem	4×B34	737	407.06	2.5**	As 4 × B36
Haifa	4×B35	1205	248.96	0.5***	–
Tel Aviv	4×B21	6830	43.92	2.5	–
Haifa	4×B24	8170	36.72	0.25	–
Tel Aviv	4×B31	9009	33.30	7.5	16.30–22.15

* to be increased to 50 kW. ** to be increased to 20 kW. *** to be increased to 5 kW.

DAILY PROGRAMMES on all frequencies exc. 9009 kc/s:

News: *Hebrew:* 05,00 (exc. Sat.), 06.30 (Sat.) 11.30, 16.00, 18.30, 21.00. – *Arabic:* 06.15, 12.15, 17.15. – *English:* 12.00 – *French:* 13.00. – *Turkish:* Sun. 08.00

In *Hebrew:* 05.45 Oriental Tunes, 17.45 Bible, 19.45 Music or Feature. – In *Arabic:* 06.00–06.30, 12.15–13.00, 17.15–17.45.

DAILY PROGRAMMES on 9009 kc/s.:

For New Immigrants:

16.30–17.00 French* 17.00–17.30 Spaniolish*

17.30–18.00 Yiddish* * also on 652 kc/s.

18.00–18.30 News in Rumanian, Hungarian (Sun. Wed. Fri. Sat.). – Special Sabbath Programme (Fri.). – News in Turkish, Persian (Tues. Thurs.). – For the Israel Police Force (Mo., fortnightly). – For the Israel Sailors (Mo., monthly).

18.30–18.45 News and Commentary in Hebrew.

18.45–19.30 Philharmonic Orchestra (Sun.) or Folklore. – Feature on workers' settlements or music. (Mo.). – Israel Songs (Mo.). – Classical Music (Tues.). – Topical Talk. Music or Feature (Wed.). – Parliament News. Popular Music (Thurs.). – Poetry Readings. Folklore (Fri.). – Guest Talk. Farewell to Queen Sabbath (Sat.).

19.30–19.45 News in English.

For Jews outside Israel:

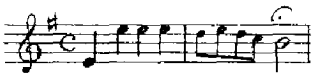
19.45–20.30 Yiddish 21.15–21.30 Hebrew Lesson

20.30–21.15 French 21.30–22.15 English

Programmes consist of News Reel, Music and Talk or Feature.

ANNOUNCEMENTS: Kol-Israel: *Hebrew:* "Kol Israel" – *Arabic:* "Hona Mahathat Israel" – *English:* "This is "Kol Israel", the voice of Israel" – *French:* "Ici Kol Israel, la Voix d'Israel. – **Kol Zion Lagolah:** *Yiddish:* "Do is Kol Zion Lagola fun Yerushalaim" – *French:* "Kol Sion Lagola – La voix de Sion" – *English:* "The World Zionist Organisation presents from Jerusalem: Kol Zion Lagola, the Voice of Zion".

Interval-Signals: »Kol Zion Lagolah»:



Verification by QSL-card or letter.
Future-Plans: include broadcasts in the bands of 6, 7, 9, 11, 15, 17 & 21 Mc/s from transmitters 50 kW, 7.5 kW and 2.5 kW.

GALEI ZAHAL – Forces Broadcasting Service.
Address: Army Post Office 162, Israel.
Leading Personality: Mr. Zvi Boroschek, Captain, Officer i/c.
Stations:

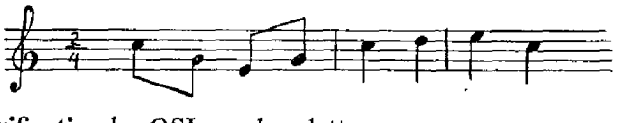
	kc/s	m	kW		kc/s	m	kW
4XB41	1304	230.1	0.25	4XB43	1390	215.8	0.25
4XB42	1336	224.6	0.25	4XB44	6725	44.61	1

Daily Programmes in *Hebrew:* 15.30–19.00.
15.30 Progr. Preview. 16.30 News. 17.00 Soldiers Progr. 17.30 News.

Announcement: "Galei Zahal, Shidurei Zva Hogana Leisrael" (Broadcasting Service of the Israel Defence Forces).
Interval-Signal: Various military marches.

LEBANON (Republic of)

Address: Service de Radiodiffusion de la Republique Libanaise, Radio Liban, Beirut.
Leading Personalities: Director General, Mr. Assad Al-Assad. Director of Programmes, Mr. Fouad Kassem. Chief Engineer, Mr. Joseph Rouhayem.
Stations: 836 kc/s 359 m 4 kW
8036 – 37.34 – 2.5 –
Daily Programmes: 04.30–06.30, 10.30–12.30, 15.00–21.00.
French: 05.30–05.45, 11.30–12.30, 19.00–20.15 (8036 kc/s only). News: 05.30, 11.30, 19.00.
Arabic: 04.30–06.30, 10.30–12.30 (8036 kc/s 10.30–11.30), 16.00–21.00 (8036 kc/s not 19.00–20.15). News: 05.00, 11.00, 18.00, 20.55.
English: 15.00–16.00.
Highlights: "Request Programme": Sun. 10.00–11.00.
European Programme: Daily 20.00–20.55.
Announcements: *Arabic:* "Houna Beyrout, Mahattat al' Iza'a al Loubnaniat". *French:* "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise". *English:* "This is the English programme of the Lebanese Broadcasting Station in Beirut".
Interval-Signal: For medium- and short wave:



Verification by QSL-card or letter.
Future-Plans: A 50 kW s.w.-transmitter and a new 20 kW m.w.-transmitter will be ready at the end of 1952.

SAUDI ARABIA

Address: Saudi Arabia Broadcasting System, Djeddah.
Stations: *Djeddah* 3 kW.

725 kc/s	413.8 m		9650 kc/s	31.09 m	3)
3950 –	75.95 –	1)	11850 –	25.32 –	4)
5975 –	50.21 –	2)	11950 –	25.10 –	5)

1) To Southern Red Sea Coast (Asir, Yemen, Aden).
2) To Northern Red Sea Coast (Egypt).
3) To Central Arabia, Persian Gulf area, Bahrein Islands.
4) To North Arabia, Syria, Lebanon.
5) To North Arabia, Iraq.

Daily Programmes in *Arabic:* 04.00–04.45, 17.00–18.15.
Announcement: "Il-eza'a la' azikiyah l'ilmamlakat es Saoudiyah". – **Verification** by letter.

SYRIA

Address: Direction Generale de Radiodiffusion, Rue de la Victoire, Damascus.
Stations:

	kc/s	m	kW
Damascus	665	451.0	50
Aleppo	719	417.2	50
Damascus	6165	48.66	20
	9555	31.40	20
	11915	25.17	20
	15395	19.49	20
	17865	16.80	20

DAILY PROGRAMMES:
Home Service (in Arabic).
On 665, 719, 6165 kc/s: 04.45–07.00, 11.30–13.30, 16.00–21.30.
News: 05.15, 12.15, 17.15, 19.15, 21.15.
Foreign Service:
MA=Mediterranean Area. WE=Western Europe. IP=India, Pakistan. T=Turkey.
10.30–11.30 in English to MA on 665, 719, 6165 kc/s.
13.30–14.30 in French to MA on 665, 719, 6165 kc/s.
14.45–15.45 in Arabic and English to IP on 15395 kc/s.
20.15–21.15 in Turkish to T on 9555 kc/s.
20.30–21.30 in French to WE on 11915 kc/s.
21.30–22.30 in English to WE on 11915 kc/s.
News, Commentary, Press Reviews, Reportages.
Announcement: In *Arabic:* "Huna Damask". In *English:* "Here is Damascus". **Verification** by letter.

TRANSJORDAN

Hashemite Jordan Broadcasting Service.
Address: Controller General of the Hashemite Jordan Broadcasting Service, Ramallah Hashemite Kingdom of the Jordan.
Leading Personality: Controller General, Mr. Nasir-Uddin Nashashibi Bey.
Stations:
677 kc/s 443.0 m 20 kW – 7110 kc/s 42.18 m 0.75 kW
Daily Programmes: *Arabic:* 05.00–06.00, 11.30–12.30, 16.00–20.05. *English:* 15.00–16.00.
News in Arabic: 05.30, 12.00, 16.00, 19.00, 20.00.
News in English: 15.45–16.00.
Announcement: (in English): "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem".
Verification by letter.

TURKEY

Address: Turkish Press, Broadcasting and Tourist Department, Radio Ankara, Ankara – Radio Istanbul, Istanbul. – *Cable:* Yayin, Ankara.

Leading Personalities: Mr. Hulûsi Timur, Director General a.i., Turkish Press Broadcasting and Tourist Department. Mr. Afif Obay, Director a.i., Radio Branch. Mr. Rusen F. Kam, Director of Radio Ankara. Mr. Mesûd Cemil, Director of Istanbul Radio. Mr. Hikmet Münir Ebcioglu, Program Director Radio Ankara. Mr. Seyfi Tashan, Manager Short-wave Broadcasts. Mr. Muzaffer Eke, Chief Engineer.

Stations:		kc/s	m	kW
Ankara	TAR	182	1648	120
Istanbul	TAW	704	426.1	150
Ankara I	TAN	6000	50.00	20 *
Ankara I	TAM	7240	41.44	20 *
Ankara II	TAS	7285	41.18	100
Ankara I	TAP	9465	31.70	20
Ankara II	TAT	9515	31.53	100
Ankara I	TAK	11760	25.51	20 *
Ankara II	TAU	15160	19.79	100
Ankara I	TAQ	15195	19.74	20
Ankara I	TAD	17720	16.93	20 *
Ankara II	TAV	17830	16.83	100

*=not yet in operation.

Home Service:
TAR: Mo.-Fri: 05.30–07.00, 10.15–12.00, 16.00–21.00. *Sat.:* 05.30–07.00, 10.15–13.00, 15.00–21.30. *Sun.:* 06.30–12.00, 16.00–21.00,
TAW: Mo. Fri.: 10.57–13.00, 15.57–21.30. – *Sat.:* 10.57–22.00. – *Sun.:* 10.57–21.30.
From the last saturday of April to the first saturday of October the programmes can be heard one hour earlier.

FOREIGN BROADCASTS on Short Waves:

Arabic: 16.30–17.00 on 9465 kc/s. Fri. to Wedn.: *News:* Music. Thurs. *News.* Reading from the Koran. Commentary.

Bulgarian: 17.45–18.00 on 9465 kc/s. *News.* Commentary.

English: *Far Eastern Service:* 12.30–13.15 on 17820 kc/s. *News:* 12.30. Music 12.45. Talks on Turkey 13.00 Mo.–Sat.
Western European Service: 21.00–21.45 on 9465, 7285 kc/s. *News* 21.00, Music 21.15. Talks on Turkey 21.30 Mo. to Sat. Mailbag 21.30 Sun.
North American Service: 23.15–24.00 on 9515 kc/s. *News* 23.15. Music 23.30. Talks on Turkey 23.45 Mo.–Sat. *Mailbag* 23.45 Sun.
French: 20.15–20.45 on 9465, 7285 kc/s. *News* 20.15. Music 20.30.
German: 19.45–20.15 on 9465, 7285 kc/s. *News* 19.45. Music 20.00. *Mailbag* 20.00 Sun.

Greek: 17.15–17.45 on 9465 kc/s. *News* 17.15. Music 17.30.

Hungarian: 18.30–18.45 on 9465 kc/s. *News.* Commentary.

Italian: 19.15–19.45 on 9465, 7285 kc/s. *News* 19.15. Music 19.30.

Persian: 16.00–16.30 on 9515, 15195 kc/s. *News* Music Fri. to Wedn. *News.* Reading from the Koran. Commentary Thurs.

Polish: 19.00–19.15 on 9465 kc/s. *News.* Commentary.

Rumanian: 18.00–18.15 on 9465 kc/s. *News.* Commentary.
Serbo-Croat: 18.45–19.00 on 9465 kc/s. *News.* Commentary.
Spanish: 22.30–23.00 on 9515 kc/s. *News* 22.30. Music 22.45 Mo.–Sat. *Mailbag* 22.45 Sun.

Turkish:
10.15–11.00 on 17820, 15195 kc/s. Relay Home Service.
11.00–11.15 on 17820 kc/s. Home News to Far East.
11.00–12.00 on 15195 kc/s. Relay Home Service.
17.00–17.15 on 9465 kc/s. News. Relay Home Service.
18.15–18.30 on 9465 kc/s. Commentary.
20.45–21.00 on 9465, 7385 kc/s. News. Relay Home Service.
21.45–22.00 on 9465, 7285 kc/s. Home News for Western Europe.
Urdu: 15.30–16.00 on 15195, 9515 kc/s.
Announcements: Arabic:Houna Ankara. Bulgarian: Govori Ankara, English: This is Radio Ankara, French: Ici Ankara, Turquie, German: Hier ist Ankara, Greek: Edho Ankara.
Interval-Signal: An old Turkish Dance Tune. Sari-Zeybek

Verification by QSL-card.

EAST

BURMA

BURMA BROADCASTING SERVICE
Address: 28, Windermere Crescent, Rangoon.
Leading Personalities: Director: Mr. U. Khin Zaw. Deputy Director: Mr. U. Pe Thaw. Chief-Engineer U. Pu Doe.
Stations:
955 kc/s 314 m 5 kW 6034 kc/s 49.71 m
9543 kc/s 31.44 m 7.5 kW.
DAILY PROGRAMMES:
01.00–02.30 (not Mo.) on 955, 9543 kc/s.
05.30–07.30 (not Mo.) on 955, 9543 6034 kc/s.
12.00–15.15 on 955, 6034 kc/s.
English: 01.15–01.30, 06.15–06.45, 14.15–15.15.
News: 01.25, 06.30, 15.00. "*The Voice of Burma*" (talk): Thurs. 14.45. "Live" (local artists): Mo. & Sat. 14.30.
Burmese (news): 01.30, 07.15, 13.15. *Hindustani* (news): 02.22.
Announcement: (English) "This is the Burma Broadcasting Service". **Verification** by QSL-card.

CEYLON

Address: Torrington Square, Colombo 7.
Leading Personalities: Director General: Mr. J. N. Lampson. Director of Commercial Service: Mr. C. R. Dodd. Director of Programmes: Mr. P. C. Thornton. Chief Engineer: Mr. N. S. Wiekremesinghe.
Stations:

Medium Waves:				
640 kc/s	469.0 m	0.25	kW	Commercial Service
700 –	428.6 –	15	–	Oriental –
924 –	324.7 –	7.5	–	Western Home Service
1310 –	229.0 –	1	–	Commercial Service
Short Waves:				
3395 kc/s	88.35 m	7.5	kW	Commercial Service
4090 –	61.23 –	0.25	–	Oriental Home Service

Upper left **Radio France-Asia:** Miss Lilian Bouvet. English listeners' letterbox. *Upper, right* **Radio National Vietnam:** Miss Minh-Trang, French announcer and »Voix du Viet-Nam«. *Below* **All India Radio:** Miss Daw Tin Ngunt of the Burmese Unit.

Radio Nacional Vietnam. Miss Kim-Bau Vietnamese announcer. 1st prize in a beauty competition.

East map Radio France Asia Lilian Bouvet Radio National Vietnam Minh-Trang All India Radio Daw Tin Ngut Kim-Bau

6075 –	49.38 –	0.25	–	Western	– –
7190 –	41.72 –	7.5	–	Commercial Service	
11975 –	25.05 –	7.5/100	–	–	–
15120 –	19.84 –	7.5/100	–	–	–
17820 –	16.84 –	7.5	–	–	–
21620 –	13.87 –	7.5/100	–	–	–

Western Home Service (English).
Mo. Fri.: 01.30–05.30, 06.30–08.30, 10.30–16.30.
Sat.: 01.30–08.00, 13.00–17.00. *Sun.:* 02.00–08.30, 10.30–16.30.
News.: 02.00, 07.45, 13.45, 16.00.
Relay Commercial Service: Mo.–Fri. 01.45–05.30. Sat. 01.45–08.00. "*The Silver Screen*": Fri. 11.30. "*Music for Lunch*": Weekdays: 06.30. "*Take it from Here*": Wedn. 12.00. "*Personal Choice*": Thurs. 12.00.
Oriental Home Service (Sinhalese & Tamil).
Weekdays: 01.25–03.00, 05.30–07.45, 11.00–17.00.
Sun.: 01.25–08.30, 09.30–17.00.
News in Sinhalese: 06.45, 13.30 (W).
News in Tamil: 07.30, 13.15 (W).
Commercial Service (English & Hindi).
For Ceylon: 01.45–07.30, 11.30–16.45 (Thurs. 17.15) on 640, 1310, 3395 kc/s. (Sat. 01.45–16.45).
For India: 01.45–07.30 on 7190, 15120 kc/s, 11.30–16.45 (Thurs. 17.15) on 7190, 11975 kc/s.
For S. E. Asia: 09.15–11.15 on 21620 kc/s.
For Africa: 04.30–06.30 (Sun. 07.00) on 17820 kc/s.
News: 02.00 (BBC). "*Bringing Christ to the Nations*": Wed. 16.00 "*Relay Voice of America*": Daily 15.30–16.00 (on 11975 kc/s only). "*I hear the Southland Singing*": Wed. 14.00 (on 11975 kc/s only). "*Racing and Sporting Service*": Sat. 07.30–13.00 (for Ceylon only).
Language: English except Hindi programmes 05.30-06.30, 11.30–13.30.
Announcements: Home Service: "This is Radio Ceylon broadcasting on 924 kc/s and 6075 kc/s". Commercial Service: "You are tuned to the Commercial Service of Radio Ceylon".
Interval Signal: Commercial Service closes with "Strike up the Bands". **Verification** by QSL-card.

THE PEOPLES REPUBLIC OF CHINA

The Central Broadcasting Bureau.
Address: 3, Si-chang An Chieh, Peking.

Stations:	kc/s	m		kc/s	m
Mukden	560	535.7	Nanking	990	303.0
Wuhan	600	500.0	Shanghai	1020	294.1
Peking	610	491.0	Chungking	1080	277.0
Peking	700	428.6	Tientsin	1110	270.2
Peking	720	416.6	Wuhan	1160	258.5
Shanghai	800	375.0	Chungking	1200	250.0
Tientsin	810	370.4	Chungking	1300	230.8
Mukden	820	365.9	Sian	1300	230.8
Shanghai	900	333.3	Mukden	1313	228.4
Nanking	920	326.1			
Short Waves:	kc/s	m		kc/s	m
Shanghai	5985	50.12	Peking	9040	33.19
Peking	6100	49.18	Sian	9480	31.65
Chungking	6154	48.74	Shanghai	9730	30.83
Sian	6400	46.86	Peking	10260	29.24
Wuhan	6645	45.16	Chungking	11000	27.27
Peking	7100	42.25	Peking	11690	25.66
Peking	7500	40.00	Peking	15060	19.92
Mukden	7660	39.16	Peking	15170	19.78

OVERSEAS SERVICE from Radio Peking:
English:
22.00–22.30, 9.00–09.30 on 610, 700, 720, 6100, 10260, 11690, 15060, 15170 kc/s.
13.30–14.00 on 700, 11690, 15060 kc/s.
Japanese:
20.30–21.00, 10.00–10.25 on 610, 720, 6100, 10260, 11690, 15060 kc/s.
Korean:
21.30–22.00, 09.00–09.30 on 610, 720, 6100, 10260 kc/s.
Cantonese:
22.30–22.40, 11.30–12.00 on 700, 11690, 15060 kc/s.
Ke-Chia:
22.45–23.00, 09.00–09.30 on 700, 11690, 15060 kc/s.
Indonesian:
23.00–23.30, 10.30–11.00 on 700, 11690, 15060 kc/s.
Vietnamese:
23.30–24.00, 12.00–12.30 on 700, 11690, 15060 kc/s.
Amoy:
00.00–00.15, 11.00–11.30 on 700, 11690, 15060 kc/s.
Chaochou:
00.15–00.30, 14.30–15.00 on 610, 11690, 15060 kc/s.
Burmese:
00.30–00.45, 15.00–15.30 on 610, 11690, 15060 kc/s.
Siamese:
00.45–01.00, 14.00–14.30 on 610, 11690, 15060 kc/s.
Standard Chinese (news at dictation speed):
13.00–13.30, 15.30–17.00 on 610, 700, 720, 6100, 7500, 9040, 10260, 11690, 15060, 15170 kc/s.
Mongolian:
08.30–09.00 on 610, 6100, 7500, 10260, 15170 kc/s.
Tibetan:
12.30–13.00 on 700, 11690, 15060 kc/s.
Announcement: (in English): "This is Radio Peking".

GOA (Portuguese India)

Address: Emissora de Goa, Goa.
Leading Personalities: Director: Mr. J. Oliviera Chaves. Assistant Director: Mr. J. E. Lima de Sauto. Chief Engineer: Mr. Victor Carvalho. Concessionaire to Commercial Service: Mr. Gabriel Martins.
Stations: 557 kc/s 539 m 2.5 kW
CR8AB 6023 – 49.82 – 5/10 –
CR8AB 9610 – 31.22 – 5/10 –
Daily Programmes (in Hindi, English, Marathi, Urdu, Portuguese, Sindhi and Konkani):
01.30–17.30. (Sun. 02.30–17.30).
News: Portuguese: 14.30–14.45. Konkani: 16.30–16.45. "*Request Programme*": D. 07.30–08.30. "*Music by air*": Sun. 04.00–04.30. "*Ten top tunes of the week*" (Portuguese): Sun. 05.30–06.30. **Verification** by letter.

HONG-KONG

Address: "Radio Hong-Kong", Electra House, 3 Connaught Road Central, Hong-Kong.
Leading Personalities: Programme Secretary: Mr. Curtis Hindson. Chinese Programme Secretary: Mr. S. C. Lau. Engineer-in-Charge: Mr. A. T. B. Bardens.
Stations:
ZEK 640 kc/s 468 m. ZBW 845 kc/s 355 m 2 kW.
ZBW3 9525 – 2.5 kW.
DAILY PROGRAMMES: ZBW = English. ZEK = Chinese.

English: *ZBW.* Mo. to Fri. 04.15–06.00, 10.00–15.30. Sat.: 04.15–15.30. Sun.: 02.00–15.30. *ZBW3.* 04.15 (Sun. 02.00) –05.30, 10.30–11.00, 13.00–15.30. **Chinese:** *ZEK.* 04.30 (Sun. 04.00)–06.00, 10.00–16.00. *ZBW3.* 05.30–06.00, 10.00–10.30, 11.00–13.00.
News: English 05.15, 12.00 (BBC) only ZBW. *Chinese dialects* 05.30, 10.00.
Announcements: *English:* "This is Radio Hong-Kong". *Cantonese:* "Ni Shu Hi Heung Hong Quong Bor Din Toy".
Verification by QSL-card.

INDIA

Address: Directorate General All India Radio, Broadcasting House, Parliament Street, New Delhi. *Cable:* "Airgeneral".
Leading Personalities: Director General Mr. N. A. S. Lakshmanan M.A. (Oxon), J.P. Chief Engineer Mr. B. V. Baliga, B.A., D.I.I. Sc., A.M.I.R.E. Deputy Directors General Mr. M. Lal, I.C.S., Mr. S. Gopalan. Deputy Chief Engineers Mr. A. C. Ramchandani and Mr. T. D. Chatterjee. Director of Programs Mr. S. N. Chib. Director of Public Relations Mr. D. Raghavan. Director of Program Planning Mr. K. S. Mullick. Director of Staff Training School Dr. V. K. Narayana Menon. Director of News Services Mr. M. I. Chowea. Director of External Services Miss M. Masani.
Stations:
Delhi: VUD, VUD2, VUD4=10 kW. VUD3=5 kW. VUD5, VUD7=100 kW, VUD8, VUD9=7.5 kW. VUD10, VUD11=20 kW.

	kc/s	m		kc/s	m		kc/s	m
VUD	886	338.6	2	9660	31.06	5	15160	19.79
6	710	422.5	8	9660	31.06	7	15160	19.79
2	3365	89.15	9	9660	31.06	10	15160	19.79
3	3435	87.34	10	9660	31.06	5	15170	19.78
2	3495	85.84	3	9670	31.02	10	15170	19.78
2	4940	60.73	9	9670	31.02	5	15190	19.75
2	4960	60.48	3	9680	30.99	11	15190	19.75
2	5990	50.08	8	9680	30.99	5	15210	19.72
3	6010	49.92	9	9680	30.99	11	15210	19.72
2	6010	49.92	11	9680	30.99	3	15290	19.62
2	6190	48.47	7	9720	30.86	5	15290	19.62
7	6190	48.47	5	11710	25.62	9	15290	19.62
5	7120	42.13	7	11710	25.62	8	15350	19.54
7	7155	41.93	7	11760	25.51	9	15350	19.54
10	7225	41.52	10	11760	25.51	11	15350	19.54
10	7240	41.44	3	11790	25.45	11	17740	16.91
5	7260	41.32	5	11790	25.45	3	17760	16.89
8	7275	41.24	7	11790	25.45	5	17760	16.89
9	7275	41.24	9	11790	25.45	10	17760	16.89
2	7290	41.15	11	11790	25.45	11	17760	16.89
8	7290	41.15	3	11830	25.36	10	17780	16.87
10	9550	31.41	4	11830	25.36	11	17780	16.87
7	9565	31.36	7	11830	25.36	3	17830	16.83
3	9590	31.28	8	11830	25.36	5	17830	16.83
7	9590	31.28	4	11850	25.32	7	17830	16.83
5	9620	31.19	7	11850	25.32	5	17840	16.82
7	9620	31.19	11	11850	25.32	10	17840	16.82
2	9630	31.15	7	11870	25.27	5	21510	13.95
3	9630	31.15	8	11870	25.27	11	21510	13.95
4	9630	31.15	7	11890	25.23	10	21660	13.85
10	9630	31.15	11	15130	19.83	10	21700	13.82
11	9630	31.15	3	15160	19.79			

Bombay. VUB, VUB2=10 kW. VUB3=0.25 kW.

	kc/s	m		kc/s	m
VUB	850	353.0	VUB3	7240	41.44
VUB	1231	243	VUB2	9550	31.41
VUB2	4840	61.98	VUB3	9550	31.41
VUB2	7240	41.44			

Calcutta. VUC2=10 kW. VUC3=0.25 kW. VUC=10 kW.

	kc/s	m		kc/s	m
VUC	810	370.4	VUC2	7210	41.61
VUC	1000	300.0	VUC3	7210	41.61
VUC2	4880	61.48	VUC2	9530	31.48
VUC3	4880	61.48	VUC3	9530	31.48

Madras. VUM2=10 kW. VUM3=0.25 kW. VUM=10 kW.

VUM	1110	270.3	VUM2	7260	41.32
VUM	1420	211.3	VUM3	7260	41.32
VUM2	4920	60.98	VUM2	9590	31.28
VUM3	6085	49.30	VUM3	9590	31.28

Mysore. VUM7 6065 kc/s 49.46 m. 968 kc/s 311.0 m.
Srinagar (R. Kashmir).

990 kc/s	303.0 m	0.25 kW		3365 kc/s	89.15 m	0.25 kW	
4860 –	61.73 –	0.25 –		7270 –	41.27 –	0.25 –	

OVERSEAS SERVICE (from Delhi)
EA=East Asia. SEA=South East Asia. A=Australia. NZ=New Zealand. ME=Middle East. CE=Central Europe. UK=United Kingdom. B=Burma. PH=Philippines. CH=China. J=Japan. EAF=East Africa. SAF=South Africa. M=Mauritius. WI=West Indies. IN=Indonesia. F=Fiji. WP=West Pakistan. AFG=Afghanistan. P=Persia. NAF=North Africa. SU=Sudan. E=Europe.

GENERAL SERVICE
00.30–01.00 in 25, 19 m. b. to EA, SEA, A, NZ. – *News:* **English** 00.30, Tamil 00.40, Hindi 00.50.
01.30–03.00 in 19, 16 m. b. to EA, SEA, A, NZ.
04.00–05.15 in 19, 16 m. b. to EAF, SAF, M. – *News:* Gujerati 04.00, **English** 04.10, Hindi 05.00.
07.00–08.30 in 16, 13 m. b. to EA, SEA, A, NZ, ME, CE, UK, B, PH, F.
07.30–08.30 in 16, 19 m. b. to ME, CE, UK, B, PH. *News* in **English** 08.00.
10.30–11.00 in 19, 16 m. b. to CH, J (Sat. Sun. only).
11.00–13.15 in 19, 16 m. b. to EA, SEA, A, NZ.
11.00–12.00 in 19, 16 m. b. to ME, CE, UK, B, PH. *News:* Hindi 11.00, Tamil 12.00.
13.30–14.45 in 19, 16 m. b. to EA, SEA, A, NZ, ME, CE, UK, B, PH. – *News* in **English** 13.30.
15.45–17.15 in 25, 19 m. b. to EAF, SAF, M. – *News:* **English** 15.45, Hindi 15.55, Gujerati 16.30.
23.30–00.30 in 41, 31, 25, 19 m. b. to WI.

EASTERN SERVICE
00.45–00.55 in 31, 25 m. b. to B, *News* in Burmese.
09.30–10.45 in 19, 16 m. b. to CH (Sat. Sun. until 10.30). *News:* Kuoyu 09.30, Cantonese 10.15.
11.15–12.00 in 19, 13 m. b. to B, *News* in Burmese 11.15.
12.00–12.30 in 19, 13 m. b. to IN, *News* in Indonesian 12.00.
22.45–22.30 in 31, 25 m. b. to IN.

WESTERN SERVICE
03.15–03.30 in 41, 31 m. b. to AFG, *News* in Pushto 03.15.
03.30–04.15 in 25, 19 m. b. to ME, NAF, SU, *News* in Arabic 03.30.
03.45–04.00 in 48, 42, 31, 25 m. b. to WP, *News* in Pothoari.

05.00–05.45 in 19, 16 m. b. to ME, NAF, SU, *News* in Arabic 05.00.
05.30–06.30 in 41, 31 m. b. to AFG (Fri. only).
13.45–14.30 in 60 m. b. to AFG, *News* in Pushto 13.50.
14.45–15.00 in 60, 50 m. b. to WP, *News* in Pothoari.
16.30–17.30 in 87, 60, 50, 31 m. b. to AFG, *News* in Afghan 16.45.
17.30–18.30 in 60, 50, 41, 31 m. b. to P, AFG, *News* in Persian 18.15.
17.30–19.30 in 42, 31 m. b. to ME, NAF, SU, *News* in Arabic 17.45, 19.25.
19.00–20.00 in 41, 31 m. b. to E, *News* in **English** 19.30.

HOME SERVICE

NORTH REGIONAL SERVICE. - In English, Hindi, Urdu, Punjabi.
Delhi A: 02.30–04.00, 07.00–08.20, 12.00–17.30 on 886 kc/s. (Also in 49, 16, 13, 41, 60 or 85 m. b.).
Delhi B: 02.30–04.00, 07.30–09.00, 12.00–17.30 on 710 kc/s. (Also in 19, 16, 41 or 85 m. b.)
Radio Kashmir (Srinagar).
02.30–04.30, 06.00–07.30, 11.30–17.00 on 990 kc/s. (Also in 61, 41 or 89 m.b.)
SOUTH REGIONAL SERVICE. In English, Tamil, Malayalam, Kananese, Telugu.
Madras A: 01.30–02.45, 07.00–09.15, 10.30–11.30, 12.00–17.00 on 1420 kc/s (also in 41, 31 or 49 m. b.).
Madras B: 01.30–02.45, 06.30–09.15, 10.30–11.30, 12.00–17.00 on 1110 kc/s (also in 49, 41 or 60 m. b.).
Mysore: 01.45–02.45, 08.00–09.00, 12.00–16.30 on 968, 6065 kc/s.
EAST REGIONAL SERVICE. In English, Bengali.
Calcutta A: 01.30–03.30, 07.00–09.00, 11.00–17.00 on 810 kc/s (also in 49, 41 or 61 m. b.).
Calcutta B: 01.30–03.30, 07.00–09.00, 11.00–17.00 on 1000 kc/s (also in 41 or 31 m. b.).
WEST REGIONAL SERVICE. In English, Hindi, Kananese, Gujerati, Marathi.
Bombay A: 02.00–03.30, 07.15–09.00, 10.50–11.30, 12.00–17.30 on 1231 kc/s (also in 31 or 41 m. b.).
Bombay B: 02.00–03.30, 07.15–09.00, 10.50–11.30, 12.00–17.30 on 850 kc/s (also in 41 or 61 m. b.).
NEWS IN ENGLISH for all regional services.
02.30 in 49, 41, 31, 19, 16 m. b. – 08.00 in 41, 31, 19, 16 m. b.
12.30 in 49, 41, 31, 19, 16 m. b.
15.30 in 87, 61, 60, 50, 49, 41, 31, 19 m. b.
Announcement: "This is all India Radio" (in English).
Interval-Signal: All India Radio's signature tune is a melody of eight seconds' duration repeated with intervals of 10 seconds in between. The instruments used are Violin, Viola, Cello and Tampura.

Verification by QSL card.

INDONESIA

The official broadcasting organisation Radio Republic Indonesia (R.R.I.) is part of the Ministry of Information of the Republic of Indonesia.
Address: Head Office: Medan Merdeka Selatan 17, Djakarta, P.O. Box 7.

Pakistan: An English Announcer of Radio Pakistan (Peshawar).

Besides the Central Studio Djakarta – origin of two Home programs for the whole of Indonesia and the foreign programs – 18 regional and local stations are controlled.
Leading Personalities: Managing Director, Mr. R. Maladi, Programme Director. Mr. R. Soemarnadi. Head of Techn. Dept., Ir. M. P. Breedveld.

Announcement: *Home Program:* "Radio Republic Indonesia", followed by name of town, where station is situated. – *Overseas Program:* "The Voice of Indonesia".
Verification by QSL-card. Reports are to be sent to Radio Republic Indonesia, P.O.B. 7, Djakarta.

STATIONS:

Java:		kc/s	m	kW
Djakarta:	YDB	2240	133.90	0.3
	YDD	2600	115.40	0.3
	YDB2	4910	61.10	0.3
	YDF	6045	49.63	100
	YDF5	7220	41.55	100
	YDB3	7270	41.27	3
	YDF6	9585	31.30	100
	YDE	11770	25.49	3
	YDF7	11770	25.49	100
	YDF2	11785	25.46	100
	YDF3	11795	25.43	100
	YDC	15150	19.80	3
	YDF4	17810	16.84	100
Bandung:	YDA2	2415	124.20	0.15
	YDA	3390	88.50	3
	YDA3	4945	60.61	3
Jogjakarta:	YDJ3	2450	122.45	0.3
	YDJ	5060	59.30	3
	YDJ2	7100	42.25	1
Semarang:	YDH	2500	120.00	0.15
	YDH2	3945	76.05	1
Surakarta:	YDG2	2310	129.50	0.3
	YDG	3332	90.00	1
Surabaya:	YDI3	2467	122.00	0.3
	YDI	3240	92.59	1.2
	YDI2	3980	75.38	5
Madiun	YDG6	2370	126.55	0.1
Djember	YDI6	2335	128.25	0.3
Sumatra:				
Padang:	YDL2	2320	129.00	0.3
	YDL3	3960	75.75	1
	YDL	7240	41.44	0.3
Palembang:	YDK	4855	61.79	0.3

Indonesia Radio Pakistan Peshawar

Kutaradja:	YDN	2390	125.50	0.3
Bukittingi:	YDM	3270	91.75	0.3
	YDM2	5030	59.64	1
Medan:	YDP2	3350	89.55	0.3
	YDP	4930	60.90	1
Borneo:				
Pontianak:	YDW	2350	127.60	0.3
Bandjermasin:	YDO	5030	59.64	1
Celebes:				
Menado:	YDS	3230	92.88	1
Makassar:	YDQ	3365	89.15	0.3
	YDQ3	7295	41.12	0.3
	YDQ2	9550	31.41	8
Bali:				
Den Pasar:	YDU	4840	61.98	1
Moluccas:				
Ambon:	YDR	4865	61.66	0.3

OVERSEAS SERVICE (VOICE OF INDONESIA) from DJAKARTA.
A=Australia; NZ=New Zealand; M=Malaya; SEA=South East Asia; I=India; P=Pakistan; B=Burma; E=Europe; IC=Indo-China; ME=Middle East; CH=China.
English:
11.00–12.00 YDC, YDB2 to A, NZ, M. *News:* 11.02, 11.52.
14.30–15.30 YDC, YDE, to I, P, B, USA, M. *News:* 14.32, 15.22.
19.00–20.00 YDF6, YDC to E, NZ. *News:* 19.02, 19.52.
French:
15.30–16.30 YDB3, YDB2 to IC, M. *News:* 15.30, 16.20.
17.00–18.00 YDF6, YDC to E, ME. *News:* 17.00, 17.50.
Dutch:
18.00–19.00 YDF6, YDC to Holland. *News:* 18.00, 18.55.
Chinese: 12.00–13.00 YDC, YDB2 to CH, M.
Arabic:
13.00–14.00 YDC, YDB2 to SEA.
16.00–17.00 YDF6, YDC to ME
Urdu: 14.00–14.30 YDC, YDB2 to I, P.
Hindi: 15.30–16.00 YDC, YDB2 to I.
A 50 kW s.w. transmitter for the Overseas Service is expected to be ready early 1952 and will use the frequencies 9580, 11770, 15150 kc/s.

HOME SERVICE (IN INDONESIAN):
1st Programme.
DJAKARTA: YDB, YDB2, YDF, YDC:
Weekdays:
22.30–00.45 *News* 22.30, 23.30, 00.30.
04.30–07.15 *News* 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30 (exc. YDB2, YDC).
Sundays:
23.30–07.15 *News* 23.30, 00.30, 05.00, 06.00, 07.00.
09.30–15.30 *News* 11.30, 12.30, 14.30 (exc. YDB2, YDC).
2nd Programme:
YDD, YDB3, YDE, YDA3.
W: 22.30–00.45, 04.30–07.15, 09.30–15.30. *News:* 22.30, 23.30, 00.00, 05.00, 06.00, 07.00, 11.30, 12.30, 14.30.
Sun.: 23.30–07.15, 09.30–15.30. *News:* 23.30, 00.30, 05.00, 06.00, 07.00, 11.30, 12.30, 14.30.
BANDUNG: YDA, YDA2:
W: 22.30–00.30, 04.30–07.15, 09.30–15.30.
Sun.: 23.30–07.15, 09.30–15.30.
YDA3 with the second Djakarta Programme.
JOGJAKARTA – YDJ3, YDJ, YDJ2:
W: 22.30–00.45, 04.30–07.15, 09.30–15.30.
Sun.: 23.25–07.15, 09.30–15.30.
YDJ2 is used only in period 09.30–15.30.
SURAKARTA – YDG2, YDG:
W: 22.25–00.45, 04.30–07.15, 09.30–15.30.
Sun.: 23.25–07.15, 09.30–15.30.
SEMARANG – YDH, YDH2:
W.: 22.30–00.30, 04.30–07.15, 09.30–15.30.
Sun.: 23.30–07.15, 09.30–15.30.
SURABAYA – YDI2, YDI3:
W: 22.30–00.45, 04.30–07.15, 09.30–15.30.
Sun.: 23.30–07.15, 09.30–15.30.
PADANG – YDL2, YDL, YDL3:
W: 23.25–01.30, 05.30–07.30, 09.30–16.30.
Sun.: 00.25–07.30, 09.30–16.30.
PALEMBANG – YDK:
W: 23.00–01.00, 05.00–07.15, 10.00–16.00.
Sun.: 00.00–07.15, 10.00–16.00.
KUTARADJA – YDN:
D: 10.25–16.30.
BUKITTINGGI – YDM2:
W: 05.30–07.30, 10.30–15.30.
Sun.: 00.30–07.30, 10.30–15.30.
MEDAN – YDP2, YDP:
W: 23.30–01.30, 05.30–08.15, 10.30–16.30.
Sun.: 00.30–08.15, 10.30–16.30.
PONTIANAK – YDW: *D.:* 09.30–15.30.
BANDJERMASIN – YDO:
W: 22.30–23.45, 04.30–06.15, 09.30–15.30.
Sun.: 23.30–06.15, 09.30–15.30.
MENADO – YDS:
W: 22.00–24.00, 04.00–06.45, 10.00–15.00.
Sun.: 23.00–06.45, 10.00–15.00.
MAKASSAR – YDQ, YDQ2 (and partly YDQ3):
W: 22.00–00.00, 04.00–06.45, 09.00–15.00.
Sun.: 23.00–06.45, 09.00–15.00.
DEN PASAR – YDU: W: 22.30–00-330, 04.30–07.15, 09.30–15.30.
Sun.: 23.30–07.15, 09.30–15.30.
AMBON – YDR:
W: 21.30–23.30, 04.30–06.00, 08.30–14.30.
Sun.: 22.30–06.00, 08.30–14.30.

JAPAN

NIPPON HOSO KYOKAI (Broadcasting Corporation of Japan).
Address: 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. *Cable:* "Radio NHK".
Leading Personalities: President Mr. Tetsuro Furukaki. Vice-President Mr. Shigeru Komatsu. Directors Mr. Shigenobu Okabe, Mr. Jiro Nanye, Mr. Yoshiyuki Kanagawa. Chief of Program Department Mr. Yoshikazu Kasuga. Chief of Technical Department Mr. Kei Mizogami. Chief of Public Relations Department Mr. Yukio Ikeda.

HOME SERVICE (S. one hour earlier).
Network I: 20.30–14.00.

Medium Waves.	kc/s	m	kW
Sapporo JOIK	570	526.3	10
Tokyo JOAK	590	508.5	50
Osaka JOBK	670	448.0	10
Nagoya JOCK	730	411.0	10
Hiroshima JOFK	790	379.7	10
Sendai JOHK	890	337.1	10
Kumamoto JOGK	930	322.0	10

Short Waves. kc/s kW (Relay m.w.).
Nazaki JKI 4910 5 20.30–22.15, 10.25–14.00.
Yamata JKH 7257 5 20.30–14.00.
Nazaki JKI-2 9655 5 22.25–10.15.
News in Japanese: 21.00, 22.00, 00.00, 03.00, 06.00(W), 08.00, 10.00, 12.45.
NHK Symphony: Wed. 11.00–12.00. *World Music:* Fri. 12.15–12.45. *Classical Japanese Music:* Wed. 05.30.
Network II: 20.30–14.00 (JOAB closes down at 13.30).

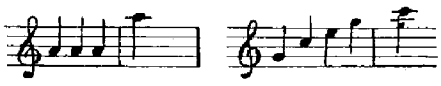
Medium Waves.	kc/s	m	kW
Sapporo JOIB	750	400.0	10
Osaka JOBB	830	361.4	10
Nagoya JOCB	910	329.7	10
Tokyo JOAB	950	315.8	100
Hiroshima JOFB	1050	285.7	10
Sendai JOHB	1070	280.0	10
Kumamoto JOGB	1150	261.0	10

Short Waves. kc/s m kW (Relay m.w.).
Kawachi JKM 4940 60.73 5 20.30-22.15, 10.10-14.00
Nazaki JKJ 7285 41.18 5 20.30–14.00.
Kawachi JKM-2 9695 30.94 5 22.25–10.00.
News in Japanese: 21.30, 23.00, 04.00, 12.30, 13.55.

OVERSEAS SERVICE (for Japanese abroad). Relay of Home Service.

	kc/s	m	kW	
Kawachi JBD	9505	31.56	7.5	20.30–00.05,
JBD2	9560	31.38	5	10.25–15.00.
JKI4	11800	25.42	5	20.30–02.45.
JBD3	15225	19.70	7.5	00.15–10.15.
JBD4	15235	19.69	5	03.00–10.15.

"The Voice of the United Nations Command Calling the People of Korea". This is a new broadcast heard daily from 12.00–15.00. (12.00 Korean, 12.30 Mandarin to Chinese Forces, 13.00 Korean).
Interval Signal:



to mark the shift from the national network to the local. **Verification** by QSL-card. **Future Plans:** N.H.K. starts broadcasts to S. E. Asia, and America in Japanese, English, Chinese, Korean, Malay, Spanish and Hindustani.

FAR EAST NETWORK COMPANY
Address: 8213 Army Unit, APO 500, PM San Francisco.
Leading Personalities: Commanding Officer: Capt. William H. Habblett. Radio Officer: Major Edgar L. Tidwell, TI & E, GHQ, FEC, APO 500. Programme Officer: Lt. Hunefled, W.G. Chief Engineer: Mr. R.H. Phillips.
Stations: AFRS (All programmes in English).

Medium Waves:	kc/s	m	kW	
Tokyo	770	389.6	50	21.00–15.00
Osaka	1390	215.8	10	21.00–15.00
Sendai	1430	209.8	10	21.00–15.00
Kokura	1450	206.9	10	21.00–15.00
Short Waves.	kc/s	m	kW	
Namata JKL	4860	61.73	10	08.45–15.00
Yazaki JKI-3	6175	48.58	20	08.45–15.00
Yamata JKL-2	9605	31.24	10	21.00–08.30
Nazaki JKI-6	11825	25.37	20	21.00–08.30

News in English: 21.30, 22.00, 22.55, 01.00, 03.30, 06.00, 09.00, 10.55, 12.00, 13.00, 14.00, 14.55.
Announcement: "FEN, The Far East Network".
Interval Signal: Each hour a 1000 cycle tone is given signifying correct time. **Verification** by QSL-card.

BRITISH COMMONWEALTH FORCE (BCF) RADIO STATION
Address: HQ BCF, Kure.
Leading Personalities: Officer Commanding: Captain K.A. Collier. Warrant Officer: Mr. Frank Burton. Chief Technical Section: Sgt. W. Feitz.
Stations:
1470 kc/s 204 m 0.25 kW – 6105 kc/s 49.14 m 1 kW.
Daily Programmes in English: 21.30–14.00.
News: 21.45, 22.45, 04.00, 09.00, 13.00.
Programmes mostly transcribed features consisting of entertainment, news, sporting information etc. to British Commonwealth troops in Japan and Korea.
Verification by QSL-card only when listener offers proof of reception.

KOREA

South Korea: (Seoul or Fusan)
HLKA 4785 kc/s 62.70 m 5 kW – 7933 kc/s 37.80 m 5 kW
Daily Programmes: 21.00–23.30, 02.00–05.00, 08.00–15.30. D. 11.30–12.00, 22.30–23.00, Relay "Voice of America" in Korean.
North Korea: Pyongyang 4285 kc/s 69.65 m – 4590 kc/s 65.37 m.

MACAU. (Portuguese China).

Radio Vila Verde, Macau
9500 kc/s 31.58 m 1 kW. – Testtransmissions irregularly.

MALAYA

BRITISH FAR EASTERN BROADCASTING SERVICE (see Gt. Britain).

RADIO MALAYA.
Address: Director of Broadcasting, Radio Malaya, Singapore. – *Cable:* Broadcast.
Leading Personalities: Acting Director, Mr. H. W. Jackson. Deputy Director, Mr. F. N. Lloyd Williams. Acting Deputy Director, Mr. H. H. Beamish.
STATIONS:

Blue Network *English-Malay*

	kc/s	m	kW
Singapore	620	484	10
Malacca	1079	278	0.05
Kuala Lumpur	1115	269	0.25
Penang	1280	234	2
Singapore	4825	62.18	5 *)
Kuala Lumpur	6025	49.79	5
Singapore	7200	41.67	5 *)

Red Network *Malay-Indian-Chinese*

	kc/s	m	kW
Singapore	740	405	10
Malacca	1079	278	0.05
Penang	1110	270	2
Kuala Lumpur	1200	250	0.75
Singapore	6135	48.90	7.5

Green Network: *Chinese*
Singapore 1333 kc/s 225 m 8 kW. – 7250 kc/s 41.38 m 5 kW*). – 4780 kc/s 62.76 m 5 kW.
*) Frequency changed when necessary.
DAILY PROGRAMMES:
Blue Network: W. 02.30–06.30, 09.30–15.30; Sat. 04.30–16.00. Sun. 01.30–15.30. – *News:* English 05.00, 11.30, 14.00. Malay 05.15.
Red Network: W. 02.30–06.30, 09.30–13.30. Sat. 02.30–09.15, 09.30–13.30. Sun. 02.30–13.30. – *News:* Malay 12.45. Indian 05.00, 11.00. Chinese 04.30.
Green Network: W. 09.30–15.30. Sun. 01.30–05.15, 09.30–15.30. *News:* Chinese 11.30, 12.30, 13.30, 14.30, 15.30.
Announcements: *In English, Malay, Chinese, Indian:*

"This is the (Blue, Red or Green) network"; or "This is Radio Malaya, (Singapore), (Kuala Lumpur), (Penang) or (Malacca)."
Interval-Signal: C-C-A-G on a Hawaiian Guitar. – **Verification** by QSL-card.

MONGOLIA

Station: Ulan Bator.
5260 kc/s 57.03 m – 8000 kc/s 37.50 m.
Daily Programmes: 03.00–03.55, 05.00–06.00, 08.15–10.00, and 11.30–15.00.

NEPAL

Nepal Radio. Katmanduran
Station: 7100 kc/s 42.25 m 0.5 kW.
Daily Programmes in *Nepali* (and *English*): 03.45–04.30, 08.30–09.30, 13.45–15.15.
News in English: 13.45–14.00. – **Verification** by QSL-card.

PAKISTAN

RADIO PAKISTAN
Address: Radio Pakistan Headquarters, 71, Garden Road, Karachi 3. *Cable:* Pakbrocast, Karachi.
Leading Personalities: Controller of Broadcasting: Mr. Z. A. Bokhari. Director of Engineering: Mr. Riaz Ahmad. Deputy Director of Broadcasting (Progr.): Mr. Rashid Ahmed. Deputy Controller of Broadcasting (Adm.): Mr. Ahmad Salman. Director of News: Mr. Mohamad Sarfraz. Director of Staff Training Centre: Mr. S. S. Niazi. Director External Services & Monitoring: Mr. G. K. Farid. Deputy Director of Engineering: Agha Bashir Ahmed. Director of Programmes: Mr. S. A. Hafeez. Public Relations Officer: Mr. Ansar Nasri. Administrative Officer: Mr. K. A. Mukhtar. *Station Directors:* Karachi Mr. Asnain Qutb. Dacca: Mr. Zainul Abedin. Lahore: Agha Bashir Ahmed. Peshawar: Mr. N. M. Rashed. Rawalpindi: Mr. Mahmud Nizami. Research Engineer: Mr. S. A. Aziz. Chief News Editor: Sh. Ahsanul Haque. Editor-in-Charge Radio Journals: Mr. Ishiat Rehmani.
Stations, Hours of Transmission and Languages.

Medium Waves:	kc/s	m	kW	
Peshawar APP	629	476,9	10	West Pakistan
Karachi APK1	825	363,6	10	– –
Lahore APL1	1086	276,2	5	– –
Dacca APD1	1167	257,1	5	East Pakistan
Rawalpindi APR	1450	206,9	1	West –

Short Waves:	m.b.	kW		m.b.	kW
Karachi APK2	19	50	Dacca APD2	41	7,5
Karachi APK2	16	50	Dacca APD2	60	7,5
Karachi APK2	25	50	Lahore APL2	49	0,3
Karachi APK3	41	50	Lahore APL2	41	0,3
Karachi APK3	31	50	Lahore APL2	60	0,3
Dacca APD2	49	7,5			

The frequencies and wavelengths for short wave transmissions have not so far been finally determined. Those used at present are either experimental ones or have been loaned to us by other countries.

HOME SERVICE
Medium Waves. National Programme. Originating from Karachi and relayed by all stations on all Pakistan hook-up.
APK1. 02.25–04.00, 07.30–09.30 (Sun. 02.25–09.30.) 12.30–18.00, Arabic, Urdu, English and Sindhi.
APL1 and APR1. 02.25–04.30 (Sun. 05.00), 07.30–09.30, (Fri. 08.00), 02.30–18.00, Arabic, Urdu, Punjabi English.
APP1. 02.25–04.30 (Sun. 05.00), 07.30–09.00 (Fri. 08.00), 12.00–17.30, Arabic, Urdu, Pushto, English, Afghan.
APD1. 01.00–03.00, 06.00–07.30, 11.00–16.30, Arabic, Urdu, Bengali, English
Short Waves:
APL2. 49 m.b. W: 02.00–04.00, (Sun. 04.30). As APL1.
41 m.b. W: 06.30–08.30, (Fri. 07.30). As APL1.
60, 41 m.b. W. 12.00–17.30, (Fri. 13.45–17.30). As APL1.
APD2. 41 m.b. Daily: 01.00–03.00. As APD1
41 m.b. W: 04.30–07.30. (Fri. 06.30). As APD1.
60, 41 m.b. W: 11.00–12.30, 12,45–15.30. As APD1.
APK2, APK3. 19,41 m.b. W: 03.00–04.00.
19, 41 m.b. W: 07.30–07.40, 07.50–08,30.
19 m.b. W: 07.40–07.50. 31 m.b. W: 08.50–09.00.
19, 31 m.b. W: 09.00–09.30.
31 m.b. W: 13.00–13.45, 14.30–15.15.
News:

English (relayed by all st.)
02.30–02.45 in 19, 41 m.b.
07.30–07.40 in 41 m.b.
08.30–08.40 in 19, 31 m.b.
12.30–12.40 in 19, 31 m.b.
15.15–15.30 in 25, 41 m.b.
Urdu (relayed by all st.)
02.45–03.00 in 19, 41 m.b.
08.40–08.50 in 19, 31 m.b.
12.40–12.50 in 19, 31 m.b.
15.30–15.45 in 25, 41 m.b.
Sindhi
13.00–13.45 on 825 kc/s.

Bengali (relayed by APDI)
02.15–02.30 in 19 m.b.
07.10–07.20 in 19 m.b.
14.15–14.30 in 25 m.b.
Pushto
03.00–03.10, 08.20–08.50
12.50–13.00 in 19 m.b. and 269 m.
Kashmiri
13.00–13.10 in 31 m.b.
Baluchi
13.00–13.45 in 31 m.b.

EXTERNAL SERVICES:
Burmese: 13.30–14.15 in 25 m.b.
Afghan-Persian: 16.00–17.00 in 31, 41 m.b. and on 629 kc/s.
General Overseas Service (English): 17.10–17.30 in 25, 41 m.b.
Iranian: 17.30–19.15 in 25, 41 m.b.
Arabic: 18.15–19.15 in 25, 41 m.b.
Announcement: (English): "This is Radio Pakistan".
Verification by QSL-card or letter.

TAIWAN (Formosa)

Address: Taiwan Broadcasting Station, Taipeh.
Leading Personality: Head of the Audience Service, Mr. Chang Shui-yu.
Stations:

	kc/s	m	kW		kc/s	m	kW
BED2	670	448.0	100	BED7	7130	42.08	20
BED22	750	400.0	10	BED6	11736	25.56	50
BED9	1020	291.5	10	BED4	11800	25.42	50
BED29	6095	49.22	3.5	BED3	15235	19.69	20

Other Short Wave stations: 7000 kc/s 42.86 m 1 kW – 8990 kc/s 33.37 m, 3.5 kW – 7400 kc/s, 40,54 m, 3,5 kW – 10200 kc/s, 29.42 m, 1.5 kW.

HOME SERVICE: 22.30–03.00, 03.30–09.00, 10.00–15.30, 22.30–01.00 on BED22, BED9, BED29.
03.30–07.00 on BED22, BED9, BED29.
10.00–15.30 on BED22, BED29, BED9.

OVERSEAS SERVICE (The Voice of Free China).
04.00–05.00 in English to USA from BED6, BED3.
News: 04.05–04.20. *Press Opinion:* 04.20–04.30. *Chinese Opera:* Mo. 04.45–04.55. *Chinese Music:* Sun. 04.45–04.55. *"Taiwan Today":* Tues., Fri. 04.45–04.55. *Progr. Preview:* 04.00.

05.00–07.00 in Chinese to USA from BED2, BED6, BED3. *News in Mandarin:* 05.15–05.30. *News in Cantonese:* 05.30–05.45. *Dictation News:* 06.00–07.00.
10.30–13.00 to Japan, Korea & South East Asia from BED2, BED34, BED7, BED6.
News: Japanese 10.35–10.45, Cantonese 11.50–12.05, Malay 12.05–12.15, Russian 12.15–12.30, **English** 12.30–**12.40, French** 12.40–12.50, Arabic 12.50–13.00.
13.00–17.30 to China from BED2, BED29, BED7, BED6. *News* in Mandarin: 13.00, 13.30, 14.00, 14.30, 15.00, 15.30. *Dictation News:* For China 16.00–17.00. For South East Asia 17.00–17.30.
19.00–21.00 to Europe from BED4: 19.00 Russian, 19.20 English, 19.50 French, 20.20 Arabic, 20.40 Mandarin.
Interval Signal: All transmissions open with the Chinese National Anthem. **Verification** by QSL-card.

THAILAND

The Thai National Broadcasting Station.
Address: The Thai National Broadcasting Station, Publicity Department, Bangkok.
Leading Personalities: Director-General, Col. Luang Saranuprapahn. Assistant Director-General, Mr. Prasong Hongsanan. Manager Overseas Service, Mr. Witt Siwasariya-non.
Stations: Bangkok. HS8PD 1 kW. 15910 kc/s 18.86 m. – 11960 kc/s 25.10 m. – 6240 kc/s 48.09 m.
Home Service: 02,00–05.00, 12.00–15,00 on 6240.
Overseas Service in *English* from 10.00–11.00 on all frequencies.
Announcement: "This is the Overseas Broadcasting Station of Thailand".
Interval Signal: National Song and three chimes.
Verification by QSL card or letter.

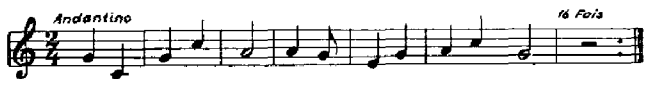
VIETNAM

RADIO FRANCE-ASIE
Address: 86, rue Mac Mahon, Saigon, South Vietnam.
Leading Personalities: Director General, Mr. Jean Varnoux. Head of English Dept.: Mr. Jean Pipon. Head of Chinese Dept.: Mr. Jean M. de Kermadec. Head of Vietnamese Dept.: Mr. Hoang Cao Tang.
Stations: M.W. = 1,5 kW. S.W. = 25 kW.
1050 kc/s, 285.7 m. 7230 kc/s, 41,49 m. 9524 kc/s, 31.50 m. 9750 kc/s, 30.77 m. 11830 kc/s, 25.36 m.
DAILY PROGRAMMES: SEA = South East Asia. I = India. E = Europe. A = Australia. NZ = New Zealand. SA = South Africa.
French: 23.00–23.15 on 1050, 9750 kc/s (SEA).
23.15–23.30 on 1050, 7230, 9750 kc/s. (SEA).
23.30–00.15 on 1050, 7230 kc/s (SEA).
00.15–00.30 on 1050, 7230, 9750 kc/s (SEA).
01.45–02.30 on 11830 kc/s (I).
04.00–05.30 on 1050, 9750 kc/s (SEA).
10.15–15.15 on 1050, 9750 kc/s (SEA).
15.15–15.30 on 9750 kc/s (I).
15.30–15.45 on 11830 kc/s (E).
News: 23.15, 00.15, 01.45, 04.45, 11.15, 12.00, 15.15, 15.30.

English:	kc/s			kc/s	
22.30–22.55	9524	(E).	01.45–02.30	9750	(I).
00.00–00.15	9750	(SEA).	09.00–10.15	11830	(A.NZ)
01.30–01.45	11830	(I).	13.00–15.30	11830	(I.SA).

News: 22.30, 00.00, 01.30, 10.00, 14.00.
Listeners' Letterbox and Requests: Fri. 09.00, 14.30.
French by Radio: Tues., Fri. 10.00, 13.00.
Vietnamese:
22.30–23.15, 04.00–05.15, 10.00–12.30 on 7230 kc/s.
News: 23.00, 04.15, 05.10, 11.45, 12.25.
Chinese: (Mandarin, Cantonese).
23.30–24.00 on 9750 kc/s.
03.15–04.00 on 7230, 9750 kc/s.
08.30–10.00, 12.30–13.00 on 7230 kc/s.
Announcement: "Ici Radio France Asie, La Voix de la France en Extrême Orient" – "This is Radio France Asie, the Voice of France in the Far East".
Interval Sign.: Chimes. **Verification** by QSL-card and radio.

RADIODIFFUSION NATIONALE DU VIET-NAM
Address: 3, rue Richaud, Saigon (Viet-Nam).
Leading Personalities: Director, M. Nguyen-Huu-An. Chief of "Station Regionale du Centre V.N. *Radio-Hue*", M. Ton-That-Canh. Chief of "Station Regionale P.M.S. *Radio Dalat*", M. Ung-Hoi. Chief of "Station Rigionale du Nord V.N. *Radio-Hanoi*", M. Vu-Ngoc-Lam.
STATIONS:
La Voix Du Viet-Nam:
838 kc/s 358 m 1 kW Home Service.
9620 – 31.19 – 12 –
6180 – 48.54 – 1 – 7090 kc/s 42.31 m 12 kW.
Radio-Hue (Central station) 7205 kc/s 41.63 m 1. kW.
Radio-Dalat (Station P.M.S.) 7265 kc/s 41.29 m 1. kW.
Radio-Hanoi (Station Nord) 6165 kc/s 48.66 m 1. kW.
DAILY PROGRAMMES:
On 838 kc/s in *Vietnamese:* 23.00–24.00, 04.00–05.00, 10.00–13.30. *News:* 23.00, 23.45, 04.00, 04.50, 10.00, 11.00, 13.10. **In English:** 13.30–14.00.
On 9620 kc/s in Vietnamese: 23.00–24.00, 04.00–05.00, 10.00–13.30. *News:* 23.00, 23.45, 04.00, 04.50, 10.00, 11.00, 13.10. **in English:** 13.30–14.00.
On 7090 kc/s *in* **French:** 23.00–23.30, 04.30–05.00, 11.15–12.30. *News:* 23.00, 04.30, 11.45. *In Chinese:* 23.30–24.00, 04.00–04.30, 10.00–10.45 **In English:** 13.00–13.30. – *In Cambodgienne:* 10.45–11.00. *In Laotienne:* 11.00–11.15.
On 6180 kc/s in *Vietnamese:* 23.00–24.00, 04.00–05.00, 10.00–13.30. *News* as 9620 kc/s. **In English:** 13.30–14.00.
On 7205 kc/s (Hue) in *Vietnamese:* 23.30–24.00, 02.30–03.30, 04.00–04.30, 07.00–08.00. *News:* 23.30, 04.15, 07.00. In **French:** 04.30–04.45, 10.00–12.30. *News:* 04.30, 10.15.
On 7265 (Dalat) in *Vietnamese:* 10.15–11.30. *News:* 10.30. In **French** (Sat. only): 11.30–12.00.
On 6165 kc/s (Hanoi) in *Vietnamese*, **French, English** and *Chinese:* 23.00–00.30, 04.00–05.30, 10.00–13.30. *News:* Vietnamese 23.20, 24.00, 04.15, 04.45, 12.55. **French:** 23.05, 04.45, 12.30. **English:** 10.30. *Chinese:* 04.00.
Other Programmes: *Programme de Radio-Crochet* Sun. in Vietnamese 01.30–02.30 on 9620, 6180, 838 kc/s. *English by Radio:* Sun. in English, French, Vietnamese 02.30–03.00; on 9620, 838 kc/s *Answers to Listeners:* D. 09.45–10.00 in Viatnamese; on 9620, 7090, 6180, 838 kc/s.
ANNOUNCEMENTS: Saigon. In *Vietnamese* "Dây Lá Dái Phát-Thanh Quôc-Gia, Tiêng Nói Nuôc Viêt-Nam, Phát-Thanh Tu' Thu Dô Saigon....". In *French* "Ici "La Voix du Vietnam", diffusée du Poste National de Saigon". In *English:* "This is the Voice of Vietnam bringing you our nightly English language broadcast".
Interval-Signal:



Verification by QSL-card and letter.

PACIFIC

AUSTRALIA

Addresses: Australian Broadcasting Commission, Head Office, 264, Pitt Street, Sydney. Overseas Service, "Radio Australia", P.O. Box 780, G.P.O., Melbourne.

Leading Personalities: Chairman Mr. R. J. F. Boyer. Vice-Chairman, Mr. E. R. Dawes. General Manager: Mr. C. J. A. Moses. Assistant General Manager, Mr. A. N. Finlay. Controller of Programmes, Dr. K. L. Barry. Controller of Administration, Mr. A. L. Holman.

HOME SERVICE

Medium Waves: 10 kW.

2CR	Cumnock	550	545.0	20.00 (Sat. 20.45) –14.00.
6WA	Minding	560	535.7	22.00(Sat. 22.45)–16.00.
3WV	Horsham	580	517.2	20.00(Sat. 20.45)–13.00.
2FC	Sydney	610	491.8	21.00–14.00.
3AR	Melbourne	620	483.9	21.00–14.00.
2NU	Manilla	660	454.5	20.00(Sat. 20.45)–14.00.
2BL	Sydney	740	405.4	20.00(Sat. 20.45)–13.00.
4QS	Dalby	760	394.7	20.00(Sat. 20.45)–14.00.
3LO	Melbourne	770	389.6	20.00(Sat. 20.45)–13.00.
4QG	Brisbane	790	379.7	21.00–14.00.
2CY	Canberra	850	352.9	20.00(Sat. 20.45)–14.00.

Short Waves: directed to Australian listeners, but which can be heard outside Australia.

Sydney VLI 2 kW.; *Melbourne* VLH 10 kW, VLR 5 kW, VLG 10 kW.; *Brisbane* VLQ 10 kW, VLM 10 kW.; *Perth* VLW 2 kW, VLX 10 kW.; *Port Moresby* VLT 2 kW.

VLI6 6090 kc/s, 49.26 m, 20.00(Sat. 20.45)–22.30(Sat. 22.45), 07.15–13.30(Sat. 14.00).

VLI9 9540 kc/s, 31.45 m, 23.00(Sat. 22.43)–07.00. *News:* 20.00(W), 20.45, 21.45(W), 22.45(Sat.), 02.30, 03.30+, 06.00+, 09.00, 11.00, 13.00.

VLH11 11880 kc/s, 25.25 m, 20.00(Sat. 20.45)–23.15.

VLH15 15230 kc/s, 19.70 m, 23.30–08.15.

VLH9 9680 kc/s, 30.99 m, 08.30–13.30(Sat. 14.00). *News:* 21.45(Mo.–Fri.), 22.45(Sat.), 02.30, 03.30+, 09.00, 11.00, 13.00.

VLR6 6150 kc/s, 48.78 m, 20.00(Sat. 20.45)–22.15, 08.30–13.00.

VLR9 9680 kc/s, 30.99 m, 22.30–08.30. *News:* 20.00(W), 20.45, 21.45(W), 03.30++, 06.00, 09.00.

VLQ9 9660 kc/s, 31.06 m, 20.00(Sat. 20.45)–13.30(Sat. 14.00).

VLM4 4917.5 kc/s, 61.01 m, 20.00 (Sat.20.45)–13.30(Sat. 14.00). *News:* as VLI.

VLW9 9610 kc/s, 31.22 m, 22.00(Sat. 22.45)–02.15, 10,15–15.30(Sat. 16.00).

VLW11 11840 kc/s, 25,34 m, 02.30–10.00.

VLX4 4897.5 kc/s, 61.26 m, 22.00(Sat. 22.45)–02.15, 10.15–15.30(Sat. 16.00).

VLX9 9610 kc/s, 31.22 m, 02.30–10.00. *News:* 22.00(W), 22.44(Sat.), 22.45(W), 23.45(W), 00.45(Sun.), 02.30, 04.30, 06.00, 09.00+, 11.00, 13.00, 15.00.

VLT7 7280 kc/s, 41,21 m. 20.45(Sat. 21.45)–22.45(Fri. 22.30, Sun. 01.00), 08.15–12.00(Sat. 13.00).

VLT9 9520 kc/s, 31.51 m, W: 02.00–03.45(Sat. 08.00), 06.00–08.00(not Sat.). Sun: 02.00–04.00, 06.00–08.00. *News:* 20.45(W), 21.45(W), 22.45(Sat.), 02.30, 03.30+, 06.00 (Mo- Fri.), 09.00, 11.00(W), 11.30(Sun.).

VLG15 15210 kc/s, 19.72 m, 20.00(Sat. 20.45)–22.00.

+) not Sat. ++) Sat. only.

OVERSEAS SERVICE (RADIO AUSTRALIA).

Stations: VLA, VLB = 100 kW., VLC = 50 kW., VLG = 10 kW. VLA, VLB, VLC = Shepparton. VLG = Lyndhurst

	kc/s	m		kc/s	m
VLC7	7240	41.44	VLB11	11850	25.32
VLA7	7280	41.21	VLG11	11850	25.32
VLC7	7280	41.21	VLC11	11870	25.27
VLB9	9540	31.45	VLA11	11880	25.25
VLC9	9540	31.45	VLB11	11880	25.25
VLG9	9540	31.45	VLG11	11880	25.25
VLB9	9560	31.38	VLG11	11900	25.21
VLC9	9560	31.38	VLB15	15160	19.79
VLA9	9580	31.32	VLG15	15160	19.79
VLB9	9580	31.32	VLA15	15200	19.74
VLG9	9580	31.32	VLB15	15200	19.74
VLA9	9615	31.20	VLC15	15200	19.74
VLB9	9615	31.20	VLG15	15200	19.74
VLC9	9615	31.20	VLC15	15210	19.72
VLB9	9650	31.09	VLG15	15210	19.72
VLA9	9680	30.99	VLA15	15220	19.71
VLB9	9680	30.99	VLC15	15220	19.71
VLC9	9680	30.99	VLA15	15230	19.70
VLG9	9680	30.99	VLG15	15230	19.70
VLA11	11710	25.62	VLG15	15240	19.69
VLG11	11710	25.62	VLA15	15320	19.58
VLB11	11740	25.55	VLB15	15320	19.58
VLA11	11760	25.51	VLC15	15320	19.58
VLB11	11760	25.51	VLG15	15320	19.58
VLC11	11760	25.51	VLA17	17800	16.85
VLG11	11760	25.51	VLB17	17800	16.85
VLA11	11770	25.49	VLC17	17800	16.85
VLB11	11770	25.49	VLA17	17840	16.82
VLA11	11810	25.40	VLC17	17840	16.82
VLB11	11810	25.40	VLB21	21540	13.93
VLC11	11810	25.40	VLA21	21600	13.89
VLC11	11840	25.34	VLB21	21600	13.89
VLG11	11840	25.34	VLC21	21680	13.84
VLA11	11850	25.32			

DAILY PROGRAMMES:

English:

Beamed to: I = British Isles, Europe. II = Forces in Japan, North Pacific-Islands. III = South and South East Asia. IV = Africa. V = North America (USA & Canada).

I: *October–April.*	*April–October.*
06.45–08.15 in 31.25 m.b.+	06.00–08.15 in 31 m.b.+
14.00–15.00 in 19 m.b.	06.45–08.15 in 25 m.b.+
20.00–21.55 in 19 m.b.+	20.00–23.00 in 25 m.b.+
20.00–23.00 in 25 m.b.+	+) also beamed to New Zealand.
II: *October–June*	*June–October.*
02.45–04.15 in 13 m.b. (Sat. 02.00–07.30, Sun. 02.00–04.15)	02.45–04.15 in 13 m.b. (Sat. 02.00–07.30, Sun. 02.00–04.15)
08.28–09.50 in 25 m.b.	08.28–09.50 in 25 m.b.
08.28–13.55 in 19 m.b.	08.28–13.55 in 31 m.b.
20.30–23.00 in 19 m.b.	20.30–23.00 in 19 m.b.
III: *October–June.*	*June–October*
02.45–08.15 in 16 m.b.	02.45–08.15 in 16 m.b.
06.45–07.30 in 19 m.b.	06.45–07.30 in 19 m.b.
08.28–11.45 in 19 m.b.	08.28–11.45 in 19 m.b.
10.00–16.15 in 25 m.b.	10.00–14.45 in 25 m.b.
14.00–14.45 in 19 m.b.	14.00–16.15 in 31 m.b.
22.13–00.50 in 16 m.b.	22.13–00.50 in 16 m.b.
23.15–04.15 in 19 m.b.	23.15–04.15 in 19 m.b.

IV: *October–June.* *June–October.*
04.30–05.45 in 13 m.b. 04.30–05.45 in 19 m.b.
15.00–16.15 in 19 m.b. 15.00–16.15 in 31 m.b.
V:
04.30–05.45 in 19 m.b. (to West Coast) throughout the year.
12.00–14.00 in 25 m.b. (to East Coast) – – –
14.00–15.00 in 25 m.b. (to Central & Mountain Zone) –
15.00–16.15 in 25 m.b. (to West Coast) – – –
News: 03.00, 04.00(II, III), 05.15(III, IV, V), 06.00 BBC (III), 06.30, April-October only. 07.30(I, III), 09.00(II, III), 09.30 dictation (II, III, 11.00 BBC(II, III), 12.15(V), 13.00(II, III), 13.10UN(II, III), 13.15(V), 14.30(I, III, V), 15.30(I, III, IV, V), 20.30, 21.45(I, II), 22.45(I, II, III).
"*Overseas Mailbag*": European Edition: Sun. 20.15. American & African Edition: Sun. 05.00, 13.00. Pacific Edition: Sat. 10.00. Sun. 12.40.
"*Listeners' Choice*": Mo. Thurs. Sat. 14.02. Wed. 14.02, 15.02. Mo. Fri. 02.30.
"*Australia's Amateur Hour*": Sun. 09.10, 13.10, Mo. 04.31, Thurs. 12.30, Sat. 06.43, 20.40.
"*Australian DX'ers Calling*": Sun. 05.30, 07.00 (April –Oct. only), 14.02.
"*Australian Radio Reel*": Sat. 06.15, 12.45, 14.15. Mo. 20.45. Tues. 10.00. Thurs. 05.00.
"*Australia Today*": Sat. 04.50, 07.50, 12.00, 20.15.
"*Guest of Honour*": Sun. 09.15, 12.40.
"*Magazine of the Week*": Sun. 04.45, 07.45, 14.45, 21.30. Mo. 12.45.
"*Meet the Australians*": Fri. 04.50, 07.00, 10.15, 12.30, 13.00, 15.15, 20.15.
"*Wilfred Thomas Show*": Mo. 10.15.
Saturday Night Concert: Sat. 10.00.
French:
06.00–06.45 in 25 m.b. to Europe & Tahiti.
06.00–06.45 in 19 m.b. to Indo-China.
07.45–08.45 in 19 m.b. to New Caledonia.
News: 06.15, 08.00.
Indonesian: 10.30–11.00 in 19 m.b. *News:* 10.32.
Thai: 12.15–12.45 in 31 m.b. *News:* 12.15.
Chinese: (UN) 09.30–10.30 (may extend to 12.00) in 19 m.b. (during June to October in 25 m.b.)
Announcements: "This is Radio Australia Calling" or "This is Radio Australia transmitting the Overseas Service of the Australian Broadcasting Commission".
Tuning and Interval Signal: Music box playing "Waltzing Mathilda" for five minutes preceding transmissions. Transmissions commence with clock chimes and the laugh of the Kookaburra. Gongs are used as programme cues only. "Waltzing Mathilda" in March tempo precedes and concludes all News Bulletins. Indonesian transmissions open with "Waltzing Mathilda" played on piano-accordian with instrumental ensemble. Thai transmissions open with "The People's Song" and conclude with the Thai National Anthem.
Verification by QSL-card. A 20 page Programme Guide is published quarterly and issued free of charge.

HAWAII

Voice of America. Relay Station.
Address: Voice of America, P.O.Box 3740, Honolulu,
Stations: Honolulu 1, 2 – 100 kW.

6160 kc/s	48.70 m	–	15130 kc/s	19.83 m
6195 –	48.43 m	–	15250 –	19.67 –
9530 –	31.48 –	–	15330 –	19.57 –
9650 –	31.09 –	–	17780 –	16.87 –
11790 –	25.45 –	–	17800 –	16.85 –
11890 –	25.23 –			

Daily Programmes (see U.S.A. and United Nations):
03.15–03.45 Relay VOA – 07.15–08.45 Relay U. N.
04.45–05.30 Relay VOA – 09.00–16.00 Relay VOA
Announcement: "This is Honolulu, relaying the Voice of America."

NEW CALEDONIA

Address: Radio Noumea "La Voix de la France dans le Pacifique", Service de l'Information, Noumea.
Leading Personalities: Managing Director, Mr. Gavary. Chief of Secretariat, Miss M. Charbonneaux.
Stations: Noumea.
1500 kc/s 200 m 0.5 kW – 6035 kc/s 49.71 m 1 kW
Daily Programmes in *French:* 00.00–02.00, 07.00–10.30. *News:* 01.00, 01.55, 08.30, 10.25.
Announcement: "Noumea, La Voix de la France dans le Pacifique". **Verification** by QSL-card.

NEW GUINEA (Dutch)

Radio Omroep Nieuw Guinea te Hollandia.
A division of the Government Information Service for the benefit of Dutch and native inhabitants of the western half of the island.
Address: R.O.N.G. at Hollandia, Netherlands New Guinea.
Leading Personality: Director, Mr. G.F. van Velzen.
Stations: 7126.6 kc/s 42.10 m 0.5 kW (National). 3325 kc/s 90.22 m 0.25 kW (Local). Temporarily discontinued.
Daily Programmes: *Dutch:* Sun. 02.00–04.00. Daily 09.15 –11.30. *Malay:* Wed. 10.45–11.00. *News in Dutch:* 09.30, 11.15. *Time Signal:* 10.30.
Announcement: "Hier Radio Omroep Nieuw-Guinea te Hollandia".
Verification by letter. Programme Schedule is sent to foreign listeners free on request.
Future-Plans: Extension of power and broadcasting hours, and special programmes to Indonesia & Holland.
Signature Tune: *Opening:* "Washington Post March". *Close down:* "Dutch National Anthem".

NEW ZEALAND

Address: Radio New Zealand, P.O.Box 3015, Wellington N.Z. *Cable:* "Natbroadcast.", Wellington, N.Z.
Leading Personalities: Director, Mr. William Yates. Chief Engineer, Mr. W.L.Harrison. Programme Supervisor, Mr. N.del'H.Williams.
Stations: *Medium Waves:*

Wellington 2YA	570 kc/s 526.3 m 60 kW	18.00–11.20
Wellington 2YC	650 kc/s 461.5 m 60 kW	05.30 (Sat. 03.00, Sun. 04.30)–10.30
Christchurch 3YA	690 kc/s 434.8 m 10 kW	18.00–11.20
Auckland 1YA	750 kc/s 400.0 m 10 kW	18.00–11.20
Dunedin 4YA	780 kc/s 385.0 m 10 kW	18.00–11.20
Rotorua 1YZ	800 kc/s 375.0 m 10 kW	19.00–10.30
Greymouth 3YZ	920 kc/s 326.1 m 10 kW	19.00–10.30
Wellington 2ZB	980 kc/s 306.1 m 10 kW	18.00–12.00

Short Waves: Wellington 7.5 kW.
ZL2 9540 kc/s ZL3 11780 kc/s ZL4 15280 kc/s
ZL8 9620 – ZL10 15220 –
Daily Programmes on short waves (frequencies subject to changes).
18.00–06.45 Relay Home Service.
07.00–10.45 (Sat. 11.20. Sun. 10.00) "Calling Australia and the Isles".

18.00–20.45 on ZL2 to Australia, on ZL3 to Pacific.
21.00–06.45 on ZL10 to – , on ZL4 to –
07.00–10.45 on ZL2 to – , on ZL3 to –
News: 08.30, 10.30. – "*Mail Box*": Fri. 09.15. – "*New Zealand Artists*": Sun. Sat. 08.45, Tues. 07.15. – "*Song and Story of the Maori*": Sun. 07.45, Thurs. 09.00. – "*The Listeners Digest*": Sat. 08.00. – "*Background to New Zealand*": Mo. 08.00. – "*This is New Zealand*": Wedn. 08.00. – "*Through New Zealand*": Thurs. 08.00.
Announcement: "This is Radio New Zealand, the Shortwave Division of the New Zealand Broadcasting Service", or "This is New Zealand Calling".
Interval Signal: Call of native bird; the Tui.
Verification by QSL-card.

PHILIPPINES

BACOLOD BROADCASTING COMPANY

Address: Kizal Street, Bacolod City, Negros Occ. (Commercial).
Stations: *Radio Bacolod.*
DYB-2 4985 kc/s, 60.19 m, 0.25 kW.
Daily Programmes in *English* and *Visayan:* 21.00–15.00.

BOLINAO ELECTRONICS CORPORATION.

Address: Vera Cruz Street, San Juan, Rizal, (Commercial).
Leading Personality: President, Mr. James B. Lindenberg.
Station. *Rizal:*
Manila DZBC 1000 kc/s 300.0 m 1 kW.
Manila DZI2 9550 – 31.41 – 0.3 – relay DZBC.
Daily Programmes: DZBC: 21.00–16.00. *News in English:* 22.45, 04.20, 09.45, 15.00.

CEBU BROADCASTING CO.

Address: Lim Bonfing Blg., Cebu City.
Stations: DYRC 600 kc/s 500 m 1 kW.
DYH2 6140 – 48.86 – 1 – relayDYRC.
Daily Programmes: D. 22.00–16.00. *Languages:* English and Visayan, occasionally Spanish.
Announcement: "Cebu Calling". **Verification** by QSL-card.

FAR EAST BROADCASTING COMPANY

Non-Commercial Missionary Broadcasting Station.
Address: Box 2041, Manila, P.I.
Leading Personalities: President, Mr. John C. Broger. Vice-President, Mr. Robert H. Bowman. Executive Secretary, Mr. William J. Roberts. Station Manager, Mr. Maximo D. Atienza.
Stations: DZAS 6 kW. Other stations 2 kW.

DZAS	680 kc/s	441.2 m	DZH7	2730 kc/s	30.83 m
DZB2	3325 –	90.24 –	DZH9	11855 –	25.31 –
DZH6	6030 –	49.75 –	DZH8	15300 –	19.60 –

DAILY PROGRAMMES:
Philippine Service:
W.: 20.55–01.30, 04.00–06.00, 08.00–14.00. Sun. 20.55 –16.00.
News: Tagalog 22.30. English 21.45, 23.30, 01.00, 05.00, 10.00, 13.30. – All news also on 3325, 6030 kc/s.
Spanish 04.30–05.00.
Overseas Service:
W.: 21.00–06.00, 08.00–17.00. Sun. 21.00–17.00.
English on all frequencies. Other languages all s.w. frequencies exc. 3325 kc/s.
English: W.: 23.30–01.30, 05.00–06.00, 08.00–10.15, 12.00–14.00. Sun.: 23.00–05.00, 05.30–10.30, 11.30–16.00. *News:* 23.30, 01.00, 05.00, 10.00, 13.30. *Mail Bag:* D. 00.30.
French: Tues. Thurs. Sat.: 04.30–05.00 on 9730, 15300 kc/s.
Japanese: W.: 03.30–04.00, 10.45–11.00. Sun.: 21.30 –22.30, 05.00–05.30.
Russian: W.: 22.30–22.45, 04.15–04.30, 16.30–17.00. Sun. 16.30–17.00.
Indonesian: W. 22.45–23.00, 03.00–03.30.
Burmese: W. 10.30–10.45. **Siamese:** W. 11.00–11.30.
Announcement: "This is the Call of the Orient" or "This is the Far Eastern Broadcasting Company, Manila". Station announcements in English are given every half-hour. They give call-letters, frequencies and the time in the Philippines. **Verification** by QSL-card.
Message to Listeners –
Believing in the fundamental principal that freedom can only be obtained by truth and righteousness, the stations of the Far East Broadcasting Company are pledged to a campaign for freedom based on the teachings and principles of the Lord Jesus Christ. He said: "You shall know the truth and the truth shall make you free" and again "I am the truth". For messages of peace to world at war, messages of hope for the hopeless, messages of freedom to a world enslaved by sin and darkness, listen for "The Call of the Orient".

MANILA BROADCASTING COMPANY (Commerc.)

Address: 7th Floor, Insular Life Building, Manila.
Leading Personalities: President, Mr. Frederico Elizalde. Vice President, Mr. William J. Dunn. General Manager, Mr. W. H. Wallace.
Stations: *Manila* (DZ).

	kc/s	m	kW		kc/s	m	kW	
DZRH	650	461.5	10	DZH4	6000	50.00	1	*)
DZMB	760	394.7	1	DZH2	9640	31.12	1	**)

*) relay DZMB. **) relay DZRH.
Daily Programmes from 21.00–16.00. *On 650 kc/s* from 21.00–15.00.
On 9640 *kc/s in English from* 21.00–16.00: *News:* 22.45, 00.00, 05.00, 08.55, 14.00.
On 6000 *kc/s in English from* 21.00–16.00: *News:* 22.00, 23.00, 04.00, 15.55.
Announcements: *DZH-2:* "This is MBC, the Manila Broadcasting Company" followed by three chimes c, a and f, and "This is DZH-2, The Voice of the Philippines". *DZH-4:* "This is MBC, the Manila Broadcasting Company DZH-4, Manila".
Interval Signal: Every hour on the hour an automatic half second time tone.

THE MINDANAO COLLEGES BROADC. SYSTEM

Address: Davao City, Mindanao.
Station: "*The Voice of Davao*".
DXH-2 7280 kc/s 41.21 m 0.3 kW
Daily Programmes in *English:* 22.00–05.00, 07.00–14.00.
Announcement: "This is MCBS, The Mindanao Colleges Broadcasting System. DXH-2, The Voice of Davao, broadcasting from the heart of Davao".

PHILIPPINE BROADCASTING CORPORATION (Commercial).

Address: Ramon Roces Building, 4th Floor, Manila.
Leading Personalities: General Manager, Mr. Raymond E. Spencer. Publicity Manager, Mr. E. L. Martelino. Chief Engineer, Mr. E. S. Augustin.
Stations:

Cebu:	kc/s	m	kW		kc/s	m	kW
DYBU	1250	240	1	DYH3	6100	49.18	0.25

Manila:

	kc/s	m	kW		kc/s	m	kW
DZP1	800	375	10	DZH3	9500	31.58	0.25

Daily Programmes: DYBU/DYH3 21.30–15.00. DZP1 DZH3 22.00–15.00.
Far East News: 23.00, 04.30, 13.00, 14.55.
Announcement: "Radio Philippines". **Verification** by QSL-card.

THE PEOPLES STATION (Government).
Address: Radio Station DZFM, 4th Floor, City Hall, Manila.
Leading Personalities: Managing Director, Mr. Francisco Trinidad. Programme Director, Mr. Eduardo Avelino.
Stations: *Manila.*

	kc/s	m	kW		kc/s	m	kW
DZFM	710	422.5	10	DUH3	9570	31.35	0.25
DUH2	6170	48.62	0.25				

Daily Programmes: All programmes are broadcast simultaneously on all frequencies: 21.00–16.00 in English, Tagalog, Spanish.
News in English: 21.40, 23.00 (not Sat.), 02.00, 04.30, 07.30 (UN News), 12.30 (Newsreel), 13.00, 14.00.

THE REPUBLIC BROADCASTING SYSTEM.
Address: Radio Station DZBB, 866 Espana Extension, Quezon City, Manila (Commercial).
Leading Personalities: General Manager, Mr. Robert Stewart. Traffic Manager, Mr. George Gil Viduya.
Stations: *Manila.*
DZBB 580 kc/s 517.2 m 10 kW – DZI3 6110 kc/s 49.10 m 5 kW.
Daily Programmes:
21.00–17.00 in *English, Spanish, Chinese, Tagalog.*
News in English: 04.45, 13.45. *Request Pr.:* 18.00, 20.00.
Program for Free Asia: Daily 13.30–15.00 on 6110 kc/s. Programme originates in San Francisco and airlined to Manila for re-broadcast to China. Just before 13.30: "This is DZI3 at Manila, Republic of the Philippines. The following programme for Free Asia originates from San Francisco, and is broadcast through the facilities of DZI3 at Manila".

SILLIMAN UNIVERSITY (Educat. and Missionary).
Address: Dumaguete City, Oriental Negros.
Leading Personalities: Administrative Director, Mr. H. R. Bell. Programme Director, Miss Abby Jacobs. Chief Engineer, Mr. D. A. Cabrera.
Stations:

DYRS	840 kc/s	357.1 m	1	kW
DYH4	6055 –	49.55 –	0.25	–

Daily Programmes in *English & Visayan:*
10.00–14.00. *News:* 11.15 (Tues. Fri.).
11.30–12.00 daily: Programmes of Christian thought and inspiration. 12.00–12.30: Music.
Announcement: "This is station DYRS and DYH4 with a call from the Philippines – – for Christian living – – and One-World Brotherhood".
Interval Signal: At the opening chimes from the school bell. **Verification** by QSL-card.

UNIVERSITY OF SANTO TOMAS.
Address: Catholic University of Santo Tomas, Manila.
Leading Personalities: Station Director, Father Antonio Pinon. Station Manager: Atty. Narciso Pinentel Jr.
Stations: DZST 860 kc/s 348.8 m 1 kW
DZH5 9690 – 30.96 – 0.25 –
Daily Programmes: 10.00–14.00 in *English, Spanish & Tagalog. News in English:* 10.15–10.30. *News in Spanish:* 12.45–13.00. *University of Air:* Daily 12.15–12.30.
University Town Hall: Thurs. 11.15–12.00.
Announcement: "This is the Voice of Catholic Philippines, stations DZST and DZH5, Manila"
Verification by QSL-card. and/or letter.

Radio Tahiti: Native orchestra often heard from Radio Tahiti.

THE VOICE OF AMERICA IN MANILA.
Address: International Broadcasting Division, c/o. American Embassy, Manila.
Leading Personalities: Chief Engineer, Mr. George H. Chapman. Engineer-in-Charge, Mr. A. L. Callahan.
Stations: 7.5/50 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
920	326.0	9530	31.48	15245	19.68	17760	16.89
6120	49.02	11890	25.23	15250	19.67	17780	16.87
6125	48.98	11895	25:20	15330	19.57	21570	13.91

Further details: see USA (VOA and UN).
Announcement: "This is Manila relaying the Voice of America".
Verification by QSL-card.

SAMOA ISLANDS

Station: ZM2AP, Apia (operated by the New Zealand Broadcasting Service).
1420 kc/s 211.0 m 2 kW 6040 kc/s 49.67 m 2 kW
3410 – 87.97 – 2 –
Daily Programmes 05.30–08.30 Tues., Thurs., Sat., Sun.; 06.03–07.30. Mo.; 20.00–21.00 Mo. to Thurs.

TAHITI

Address: Le Directeur du Centre d'Information, Papeete.
Leading Personalities: Director of Information, Mr. d'Astier de la Vigerie. Director of Broadcasting, Mr. Marc. Darnois. Chief-Engineer, Mr. P. Lemarais.
Station: 6135 kc/s, 48.90 m, 1 kW.
Daily Programmes: *Tahitian* 21.30–22.00, 03.45–05.00.
French 22.00–22.30, 05.00–06.30.
News (English): Sat. & Sun. 05.15.
Interval-Signal: Tahitian Drums.
Announcement: Ici Radio-Tahiti, la voix de la France.
Verification by QSL-card.

Samoa Tahiti Radio Tahiti

CANADA AND THE UNITED STATES OF AMERICA

EDMONTON
CALGARY
WINNIPEG
VANCOUVER
QUEBEC
MONTREAL
VERSHERES
TORONTO
SACKVILLE
SYDNEY
ST. JOHNS
HALIFAX
SCHENECTADY
BOSTON
SCITUATE
BRENTWOOD
BETHANY
CINCINNATI
BOUND BROOK
WAYNE
BELMONT
SAN FRANCISCO
DELANO
HERMOSILLO
TAMPICO
GUADALAJARA
VERA CRUZ
MEXICO CITY
BELIZE
TEGUCIGALPA
COLON
MANAGUA
PANAMA CITY

Below **Voice of America:** Bob Hope, radio and screen comedian Stafford, The Voice of America's folk singer. *Upper left:* **Voic America:** Mr. Foy D.Kohler – Chief of the Voice of America br to his position a background of 18 years of experience in diplom and world affairs. *Upper right:* **American Forces Radio Service:** R mary Clooney is a radio, television and recording star who regu broadcasts programmes to the Armed Forces overseas.

map Canada United States of America Bob Hope Foy D. Kohler VoA American Forces Radio Service Rosemarie Clooney

CANADA

CANADIAN BROADCASTING CORPORATION
CBC INTERNATIONAL SERVICE

Address: Canadian Broadcasting Corporation, International Service, P. O. Box 7.00, Montreal, Canada. *(Cable:* "Intrad"*)*.

Leading Personalities: General Supervisor: Mr. Ira Dilworth. Asst. General Supervisor: Mr. C. R. Delafield. Supervisors European Section: Mr. P. Malles (Northern), Mr. E. Koch (Western), Mr. W. Schmolka (Central). Supervisor English Language Section: Mr. J. S. Peach. Supervisor French Section: Mr. G. Arthur. Supervisor Latin-American Section: Mr. H. Morrison. Senior Engineer: Mr. F.P. Johnson. Press and Information Mr. G.F. Brickenden.

Stations:

All international shortwave broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inuagurated Feb. 25, 1945.

	kc/s	m		kc/s	m
CKNA	5970	50.25	CKRA	11760	25.51
CKRZ	6060	49.50*	CKEX	11900	25.21
CKOB	6090	49.26*†	CKLX	15090	19.88
CHAC	6160	48.70*	CKCX	15190	19.75†
CHLS	9610	31.22	CKCS	15320	19.58†
CKLO	9630	31.15†	CKNC	17820	16.84†
CHLR	9710	30.90	CKRP	21600	13.89
CKXA	11705	25.63	CHLA	21710	13.82
CHOL	11720	25.60†			

* Only in use in the winter period. † European Service. The Sackville frequencies listed above are those assigned to Canada by international agreement.

DAILY PROGRAMMES

Programmes to Europe:

13.50–14.00 Opening Announcements (exc. Sat. Sun.).
14.00–14.15 Commentaries from U.N. (exc. Sat. Sun.).
14.05–14.15 Opening announcements (Sat. Sun.).
14.15–14.45 Russian.
14.45–15.30 Commentaries from U.N. (exc. Sat. Sun.).
14.45–16.00 Programs for Europe (Sat. only).
14.45–15.30 Finnish (Sun. only).
15.30–15.45 Swedish for Finland (Sun. only).
15.45–16.00 Programs for Europe (Sun. only).
15.30–16.00 Programs for Europe (exc. Sat. Sun.).

16.00–16.30	Czech	19.00–19.20	Swedish
16.30–16.45	German	19.20–19.40	Norwegian
16.45–17.00	Dutch	19.40–20.00	Danish
17.00–17.30	English	20.00–20.30	German
17.30–17.45	Czech & Slovak	20.30–21.00	Italian
		21.00–21.30	Russian
17.45–18.15	French	21.30–22.00	French
18.15–18.45	Dutch	22.00–22.30	Czech
18.45–19.00	English		

22.30–23.00 English (Sat. Sun. only).
22.30–23.05 English (exc. Sat. Sun.).
23.00–23.30 Czech & Slovak (Sat. Sun. only).
23.05–23.15 French (exc. Sat. Sun.).
23.15–23.30 German (exc. Sat. Sun.).

Programmes to Australia & New Zealand:

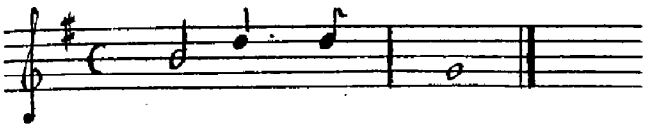
04.00–04.35 Commentaries from U.N. (exc. Sun. Mo.).
08.40–09.50 English (Sun. Wed. only).

Programmes to Latin America & Carribean:

23.50–00.45	Portuguese	02.35–02.50	Spanish
00.45–01.50	Spanish	02.35–02.50	Dutch (Sat.)
01.50–02.05	French	02.50–03.40	Spanish
02.05–02.35	English		

Programme to the Northwest and Arctic Settlements Territories: *From the end of November to May on* 6090 *and* 9630 *kc/s:* 04.20–05.00 Northern Messenger, English. Mo. only.

Interval Signal: First four notes of the National Anthem »O Canada«:



Message to Listeners: The Voice of Canada greets shortwave listeners everywhere, and welcomes queries and comments of all kinds. Please write to Box 7.000, Montreal.

HOME SERVICE:

Address: Canadian Broadcasting Corporation, 1425 Dorchester St. West, Montreal, Quebec (Eastern Zone). Canadian Broadcasting Corporation, Vancouver, British Columbia (Pacific Zone). Canadian Broadcasting Corporation, St. Johns, Newfoundland. Canadian Broadcasting Corpo., Toronto. Canadian Broadcasting Corpo., Winnipeg and Edmonton (Prairies). Canadian Broadcasting Corpo., Halifax, Nova Scotia (Maritimes).

Leading Personalities: Chairman of the Board of Governors, Mr. A. D. Dunton, Ottawa. General Manager, Dr. Augustin Frigon, Montreal. Director General of Programs: Mr. E. L. Bushnell, Toronto. Press and Information, Mr. R. C. Fraser, Toronto.

STATIONS: Vercheres.

CBFW	6090 kc/s	49.26 m	0,2 kW (7,5kW)
CBFR	9520 kc/s	31.51 m	7,5 kW
CBFX	9610 kc/s	31.22 m	7,5 kW
CBFO	9630 kc/s	31.15 m	7,5 kW
CBFY	11705 kc/s	25.63 m	7,5 kW
CBFL	11720 kc/s	25.60 m	7,5 kW
CBFA	11760 kc/s	25.51 m	7,5 kW
CBLX	15090 kc/s	19.88 m	7,5 kW
CBFZ	15190 kc/s	19.75 m	7,5 kW

St. Johns, Newfoundland.

CBNX 5970 kc/s 50.25 m 0.3 kW

Vancouver B. C. CBRX 6160 kc/s 48.70 m 0.15 kW

Daily Programmes: 12.00-05.00 French 6090 kc/s; 12.00-00.45 English 15090 kc/s; 01.00-05.00 French 9630.

Vancouver: 15.00–07.00. **Newfoundland:** 11.00–03.30.

Verification by QSL card.

PRIVATE STATIONS

Stations:		kc/s	m	kW	
Montreal	CFCX	6005	49.96	0.08	Eastern Zone
Sydney	CJCX	6010	49.92	1.00	Atlantic Zone
Calgary	CFUP	6030	49.75	0.10	Mountain Zone
Toronto	CFRX	6070	49.42	1.00	Eastern Zone
Vancouver	CKFX	6080	49.34	0.10	Pacific Zone
Halifax	CHNX	6130	48.94	0.50	Atlantic Zone
Winnepeg	CKRO	6150	48.78	2.00	Central Zone
Edmonton	VED	8266	36.30	5.00	Mountain Zone
Edmonton	VE9AJ	9540	31.45	0.20	Mountain Zone
Winnipeg	CKRX	11720	25.60	2.00	Central Zone

CFRX: **Address:** 37, Bloor Street, Toronto.
Leading Personality: Mr. E. L. Moore.
Daily Programmes: 11.00–06.05. – *News:* 13.00, 14.00, 16.50, 17·30, 21.00, 22.50, 23.30, 03.50.
Verification by QSL-card.
CHNX: **Address:** P. O. Box 400, Halifax, Nova Scotia.
Daily Programmes: 10.00 (Sun. 13.00)–04.10, Mailbag Mo. 00.00. **Verification** by QSL-card.

UNITED STATES OF AMERICA

"THE VOICE OF AMERICA" is operated by The International Broadcasting Division of the Department of State to promote an increased understanding of the United States among the peoples of the world and strengthen cooperative internationel relations.
Government-owned and controlled relay broadcast operations are located at Honolulu, Manila, Munich, Tangiers and Salonika. Relay facilities are also leased from the BBC in England.
Programs are written, produced and broadcast from studios in New York City and Washington.
Address: "The Voice of America", 1790 Broodway, New York 19, N. Y.
Leading Personalities: Chief, International Broadcasting Division, Mr. Foy D. Kohler. Associate Chief for Operations, Mr. James F. Thompson. Associate Chief for Political Affairs, Mr. Edwin Kretzman. Chief, Program Operations Branch, Mr. Alfred Puhan. Chief, Facilities Branch, Mr. Georg Herrick. Chief, Program Evaluation Branch, Mr. Leo Lowenthal. Chief, Washington Branch, Mr. Sidney Sulkin.

Medium Waves: 50 kW Stations:

kc/s			kc/s		
640	KFI	Los Angeles	1030	KOB	Albuquerque
650	WSM	Nashville	1030	KWBU	Corpus Christi
660	WNBC	New York	1040	WHO	Des Moines
670	WMAQ	Chicago	1050	WMGM	New York
680	KNBC	San Francisco	1060	WNOE	New Orleans
680	WLAW	Lawrence	1060	KYW	Philadelphia
680	WPTF	Raleigh	1070	KNX	Los Angeles
680	KABC	San Antonio	1070	WIBC	Indianapolis
690	WVOK	Birmingham	1080	WTIC	Hartford
700	WLW	Cincinnati	1080	KRLD	Dallas
710	KMPC	Los Angeles	1090	WBAL	Baltimore
710	WGBS	Miami	1090	KING	Seattle
710	WOR	New York	1100	WTAM	Cleveland
710	KIRO	Seattle	1110	KFAB	Omaha
720	WGN	Chicago	1110	WBT	Charlotte
740	KCBS	San Francisco	1120	KMOX	St. Louis
740	KRMG	Tulsa	1130	KWKH	Shreveport
740	KTRH	Houston	1130	WCAR	Pontiac
750	WSB	Atlanta	1130	WDGY	Minneapolis
760	WJR	Detroit	1130	WNEW	New York
770	KOB	Albuquerque	1140	WRVA	Richmond
770	WJZ	New York	1160	WJJD	Chicago
780	WBBM	Chicago	1160	KSL	Salt Lake City
810	KGO	San Francisco	1170	KVOO	Tulsa
810	KCMO	Kansas City	1170	WWVA	Wheeling
810	WGY	Schenectady	1190	KEX	Portland
820	WFAA-WBAP	Dallas-Fort	1200	WOAI	San Antonio
			1210	WCAU	Philadelphia
830	WCCO	Minneapolis	1220	WTAM	Cleveland
840	WHAS	Louisville	1500	WTOP	Washington
850	KOA	Denver	1510	WLAC	Nashville
870	WWL	New Orleans	1510	KGA	Spokane
880	WCBS	New York	1520	WKBW	Buffalo
890	WENR-WLS	Chicago	1520	KOMA	Oklahoma City
			1530	KFBK	Sacramento
940	KFRE	Fresno	1530	WCKY	Cincinnati
1000	WCFL	Chicago	1530	KSOX	Harlingen
1000	KOMO	Seattle	1540	KXEL	Waterloo
1010	WINS	New York	1540	WCHF	New Orleans
1020	KDKA	Pittsburgh	1540	WPTR	Albany
1030	WBZ	Boston			

SHORT WAVE FREQUENCIES
Stations:
KWID (100 kW), KWID2 (50 kW.) The Associated Broadcasters, Inc., Mark Hopkins Hotel, San Francisco, Calif.
WABC1 (50 kW), WABC2 (50 kW), WABC3 (50 kW). Columbia Broadcasting System, Inc., Brentwood, N.Y.
AWBC5, WABC6 (50 kW). Columbia Broadcasting System, Wayne, New Jersey.
KCBR1 (200 kW), KCBR2, KCBR3 (50 kW). Columbia Broadcasting System, Inc., Delano, Calif.
WLWO3, WLWO4, WLWO5, WLWO6, WLWO7, WLWO8 (200 kW). The Crosley Corporation, Bethany, Ohio.
WLWO1 (75 kW), WLWO2 (50 kW). The Crosley Corporation, Mason, Ohio.
WGEO1 (100 kW), WGEO2 (50 kW), WGEO3 (25 kW). General Electric Company, 1, River Road, Schenectady,
KGEI1 (50 kW), KGEI2 (100 kW). General Electric Company, Belmont, Calif.
WRCA1, WRCA2, WRCA3, WRCA4, WRCA5, WRCA6. (50 kW) National Broadcasting Company, Inc., Bound Brook, New Jersey.
KRCA1, KRCA2 (50 kW), KRCA3 (200 kW). National Broadcasting Company, Inc., Dixon, Calf.
WBOS (50 kW). Westinghouse Radio Stations, Inc., Hull, Massachusetts.
WR UL1, WR UL2, WR UL3 (50 kW), WR UL4 (80 kW). World Wide Broadcasting Corporation, Scituate, Massachusetts.

Station	kc/s	m	Station	kc/s	m
WRCA	6020	49.83	KCBR	9700	30.93
KCBR	6040	49.67	WLWO	9700	30.93
WLWO	6040	49.67	WRCA	9700	30.93
WRUL	6040	49.67	WLWO	11710	25.62
KRCA	6060	49.50	KGEI	11730	25.58
WABC	6060	49.50	WRCA	11775	25.48
KGEI	6075	49.38	KRCA	11790	25.45
WLWO	6080	49.34	WABC	11790	25.45
WRCA	6100	49.18	WRUL	11790	25.45
WABC	6120	49.02	KCBR	11810	25.40
WRUL	6140	48.86	WABC	11830	25.36
WABC	6170	48.62	WRCA	11830	25.36
KCBR	6170	48.62	KWID	11860	25.30
KRCA	6185	48.50	WGEO	11870	25.27
WRCA	6190	48.47	KRCA	11890	25.23
KRCA	9515	31.53	WRCA	11890	25.23
WLWO	9520	31.51	KWID	11900	25.21
WABC	9530	31.48	KGEI	15105	19.86
WGEO	9530	31.48	KRCA	15130	19.83
WGEO	9550	31.41	WABC	15130	19.83
WRCA	9550	31.41	WLWO	15130	19.83
WLWO	9560	31.38	WRCA	15130	19.83
WRCA	9560	31.38	WRUL	15200	19.74
KWID	9570	31.35	KGEI	15210	19.72
WBOS	9570	31.35	WBOS	15210	19.72
WABC	9590	31.28	WRCA	15210	19.72
KCBR	9600	31.25	WRUL	15230	19.70
WRCA	9615	31.20	WLWO	15250	19.67
KRCA	9650	31.09	KCBR	15270	19.65
WABC	9650	31.09	WABC	15270	19.65
KGEI	9670	31.02	KCBR	15275	19.64
WRCA	9670	31.02	WRUL	15285	19.63
KRCA	9670	31.02	KCBR	15310	19.60

Canada

Station	kc/s	m	Station	kc/s	m
WGEO	15330	19.57	KRCA	17830	16.83
WLWO	15330	19.57	WABC	17830	16.83
KCBR	15340	19.56	KRCA	21460	13.98
WLWO	15350	19.54	WABC	21500	13.95
WRUL	15350	19.54	WRCA	21500	13.95
WRUL	17750	16.90	WLWO	21520	13.94
KWID	17760	19.89	WABC	21570	13.91
WGEO	17760	16.89	WGEO	21590	13.90
KCBR	17770	16.88	WRCA	21610	13.88
WRCA	17780	16.87	WLWO	21650	13.86
WLWO	17795	16.86	WRCA	21730	13.81
KRCA	17800	16.85	KGEI	21740	13.80
WLWO	17800	16.85	KCBR	21740	13.80

RELAY STATIONS

For shortwave frequencies of the relay stations, refer to the individual countries: Germany, Greece, Gt. Britain, Tangier, Hawaii, Philippines.

Announcement:
Each program ends with the words: "This program has come to you from the United States of America", in the language of the program.

Interval-Signal: The tune "Yankee Doodle".

Verification by QSL-cards.

TO EUROPE, NEAR & MIDDLE EAST

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
17.15–17.30 **ALBANIAN**	13, 16, 19	25, 31, 49, 251	13, 16, 19	19, 25, 31, 251	13, 16, 19	19, 25, 31, 251
17.30–18.00 **ARABIC**	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
19.00–19.30	16, 19, 25	31, 41, 49	16, 19, 25	25, 31, 41	13, 16, 19	19, 25, 31
14.45–15.15 **ARMENIAN**	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
05.45–06.00 **AUSTRIAN**	31, 49	31, 41, 215 240, 397	31, 49	31, 41, 215, 240, 397	25, 31, 49	31, 41, 215, 240, 397
18.45–19.00	16, 19, 25	215, 240, 397 412, 531	13, 16, 19	215, 240, 397 412, 531	13, 16, 19	215, 240, 397 412, 531
14.00–14.15 **AZERBAIJANI**	13, 16, 19	19, 25, 31, 41	13, 16, 19	19, 25, 31, 41	13, 16, 19	19, 25, 31, 41
17.00–17.15 **BULGARIAN**	13, 16, 19	19, 25, 31, 41 379	13, 16, 19	19, 25, 31, 41 379	13, 16, 19	19, 25, 31, 41 379
19.30–20.00	19, 25, 31	25, 31, 41, 49 379	16, 19, 25	25, 31, 41, 49 379	13, 16, 19	19, 25, 31, 41 379
04.45–05.00 **CZECH/SLOV.**	31, 49	31, 41, 49, 251	31, 49	31, 41, 49 251	25, 31, 49	31, 41, 49 251
17.30–18.00	13, 16, 19	25, 31, 41, 49 251	13, 16, 19	19, 25, 31, 49 251	13, 16, 19	19, 25, 31, 49 251
20.00–20.30	19, 25, 31	31, 41, 49 251	19, 25, 31	25, 31, 41, 49 251	16, 19, 25	19, 25, 31, 49 251
06.30–06.45 **ENGLISH**	31, 49	31, 41, 49, 251, 379	31, 49	31, 41, 49, 251, 379	25, 31, 49	31, 41, 49, 251, 379
14.45–15.15	13, 16, 19	19, 25, 41, 251	13, 16, 19	19, 25, 41 251	13, 16, 19	19, 25, 41, 251
16.00–16.15	13, 16, 19	19, 31	13, 16, 19	19, 31	13, 16, 19	19, 31
16.15–16.45	13, 16, 19	19, 31, 41, 49 224, 464	13, 16, 19	19, 25, 31, 41 224, 464	13, 16, 19	19, 25, 31, 41 224, 464
16.45–17.00	13, 16, 19	19, 25, 31, 251	13, 16, 19	19, 25, 31, 251	13, 16, 19	19, 25, 31, 251
17.00–17.15	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
17.15–17.45	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
17.45–18.00	13, 16, 19	25, 31, 41	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
19.00–19.30	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 41	16, 19, 25	19, 25, 41
19.30–20.00	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 41	16, 19, 25	19, 25, 41
20.00–20.15	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41	16, 19, 25	19, 25, 41
21.00–21.15	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41	16, 19, 25	19, 25, 49
21.45–22.15	25, 31, 49	31, 41, 49	19, 25, 31	25, 31, 49	16, 19, 25	19, 25, 49
22.15–22.45	25, 31, 49	31, 41, 49	19, 25, 31	25, 31, 49	16, 19, 25	19, 31, 49
03.45–04.00 **ESTONIAN**	31, 49	31, 49, 41, 251	31, 49	31, 41, 49, 251	25, 31, 49	31, 41, 49, 251
15.30–15.45	13, 16, 19	19, 25, 31, 49 251	13, 16, 19	19, 25, 31, 49 251	13, 16, 19	19, 25, 31, 49 251

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
16.30–16.45 **FINNISH**	13, 16, 19	25, 31, 49	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
18.30–18.45	19, 25, 31	31, 41, 49,	16, 19, 25	25, 31, 41	13, 16, 19	25, 31, 41
06.45–07.00 **FRENCH**	31, 49	31, 41, 49, 251, 379	31, 49	31, 41, 49, 251, 379	25, 31, 49	31, 41, 49, 251, 379
17.30–18.00	13, 16, 19	RDF	13, 16, 19	RDF	13, 16, 19	RDF
20.00–20.30	19, 25, 31	–	19, 25, 31	–	16, 19, 25	–
22.00–22.15	25, 31, 49	31, 41, 49, 224	19, 25, 31	31, 41, 49, 224	16, 19, 25	31, 41, 49, 224
15.15–15.30 **GEORGIAN**	13, 16, 19	16, 19, 25, 31	13, 16, 19	16, 19, 25, 31	13, 16, 19	16, 19, 25, 31
17.30–17.45	13, 16, 19	25, 31, 41, 49	13, 16, 19	19, 25, 31, 41	13, 16, 19	19, 25, 31, 41
05.45–06.00 **GERMAN**	31, 49	31, 41, 49, 303, 439	31, 49	31, 41, 49, 303, 439	25, 31, 49	31, 41, 49, 303, 439
17.45–18.00	Via Point to Point	49, 188, 221 230, 315, 327 405, 505, 522	Via Point to Point	49, 188, 221 230, 315, 327 405, 505, 522	Via Point to Point	49, 188, 221 230, 315, 327 405, 505, 522
18.00–18.30 **GERMAN** (Cont'd)	19, 25, 31	49, 251, 303, 439	16, 19, 25	49, 251, 303, 439	13, 16, 19	49, 251, 303, 439
20.15–20.30	19, 25, 31	31, 41, 49	19, 25, 31	25, 31, 41	16, 19, 25	19, 25, 41
21.45–22.00	25, 31, 49	31, 49, 303, 439	19, 25, 31	31, 49, 303, 439	16, 19, 25	25, 31, 303, 439
22.15–22.30	25, 31, 49	31, 41, 49	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 49
17.15–17.30 **GREEK**	13, 16, 19	25, 31, 288 379, 412	13, 16, 19	19, 25, 288 379, 412	13, 16, 19	19, 25, 288 379, 412
20.30–20.45	19, 25, 31	31, 41, 49, 288, 379, 412	19, 25, 31	31, 41, 49, 288, 379, 412	16, 19, 25	25, 31, 41, 288, 379, 412
18.00–18.30 **HEBREW**	19, 25, 31	31, 41, 49	16, 19, 25	31, 41, 49	13, 16, 19	19, 25, 31
06.00–06.15 **HUNGARIAN**	31, 49	31, 41, 49	31, 49	31, 41, 49	25, 31, 49	31, 41, 49
19.00–19.30	19, 25, 31	25, 31, 41, 49 379	16, 19, 25	19, 25, 31, 49 379	16, 19, 25	19, 25, 31, 49 379
20.45–21.15	19, 25, 31	31, 41, 49	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 49
06.15–06.30 **ITALIAN**	31, 49	31, 41, 49, 251, 263, 379	31, 49	31, 41, 49 251, 263, 379	25, 31, 49	31, 41, 49 251, 263, 379
14.15–14.30	Via Point to Point	RAI	Via Point to Point	RAI	Via Point to Point	RAI
17.15–17.30	13, 16, 19	31, 41, 49, 263	13, 16, 19	25, 31, 41, 263	13, 16, 19	19, 25, 31, 263
20.30–21.15	19, 25, 31	41, 49, 251	19, 25, 31	41, 49, 251	16, 19, 25	25, 49, 251
04.00–04.15 **LATVIAN**	31, 49	31, 41, 49, 251	31, 49	31, 41, 49, 251	25, 31, 49	31, 41, 49, 251
15.45–16.00	13, 16, 19	19, 25, 31, 41 251	13, 16, 19	19, 25, 31, 41 251	13, 16, 19	19, 25, 31, 41 251
16.00–16.15 **LITHUANIAN**	13, 16, 19	19, 25, 31, 41 251	13, 16, 19	19, 25, 31, 41 251	13, 16, 19	19, 25, 31, 41 251
21.45–22.00	25, 31, 49	31, 41, 49	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 41
04.15–04.30 **PERSIAN**	31, 49	31, 41, 49	31, 49	31, 41, 49	31, 49	25, 31, 41
16.30–17.00	13, 16, 19	19, 31, 41, 49	13, 16, 19	19, 31, 41, 49	13, 16, 19	19, 25, 31
18.30–19.00	19, 25, 31	25, 31, 41	16, 19, 25	25, 31, 41	13, 16, 19	19, 25, 31
05.15–05.30 **POLISH**	31, 49	31, 41, 49, 251	31, 49	31, 41, 49, 251	25, 31, 49	31, 41, 49, 251
16.15–16.45	13, 16, 19	19, 25, 31, 49 251	13, 16, 19	19, 25, 31, 49 251	13, 16, 19	19, 25, 31, 49 251
19.30–20.00	–	41, 49, 251	–	25, 31, 49, 251	–	19, 25, 49, 251
20.30–21.00	19, 25, 31	31, 41, 49	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 49
16.00–16.15 **PORTUGUESE**	13, 16, 19	31, 41, 49	13, 16, 19	25, 31, 49	13, 16, 19	25, 31, 49
20.15–20.30	19, 25, 31	41, 49	19, 25, 31	31, 41, 49	16, 19, 25	31, 41, 49
05.00–05.15 **RUMANIAN**	31, 49	31, 41, 49, 379	31, 49	31, 41, 49, 379	25, 31, 49	31, 41, 49, 379

North America U. S. A.

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
16.45–17.00 **RUMANIAN**	13, 16, 19	19, 25, 31, 41 49	13, 16, 19	19, 25, 31, 41 49	13, 16, 19	19, 25, 31, 41 49
19.30–20.00	19, 25, 31	31, 41, 49	16, 19, 25	25, 31, 41, 49	16, 19, 25	19, 25, 31, 49
03.15–03.45 **RUSSIAN**	31, 49	31, 41, 49, 251, 379	31, 49	31, 41, 49, 251, 379	25, 31, 49	25, 31, 41, 49 251, 379
14.15–14.45	13, 16, 19	16, 19, 25, 31 41, 49, 251	13, 16, 19	16, 19, 25, 31 41, 49, 251	13, 16, 19	16, 19, 25, 31 41, 49, 251
18.00–18.30	16, 19, 25, 31	19, 25, 31, 41 49	16, 19, 25, 31	19, 25, 31, 41 49	13, 16, 19, 25	19, 25, 31, 41 49
21.15–21.45	19, 25, 31, 49	25, 31, 41, 49	19, 25, 31	25, 31, 41, 49	16, 19, 25	
05.30–05.45 **SERBO-CROAT**	31, 49	31, 41, 49 251	31, 49	31, 41, 49 251	25, 31, 49	31, 41, 49, 251
15.15–15.30	13, 16, 19	19, 25, 49, 251	13, 16, 19	19, 25, 49, 251	13, 16, 19	19, 25, 49, 251
17.45–18.00	13, 16, 19	25, 31, 49 379	13, 16, 19	19, 25, 49, 379	13, 16, 19	19, 25, 49, 379
19.00–19.30	19, 25, 31	31, 41, 49, 251	16, 19, 25	25, 31, 49, 251	16, 19, 25	19, 25, 49, 251
17.00–17.15 **SLOVENE**	13, 16, 19	25, 31, 49, 251	13, 16, 19	19, 25, 49, 251	13, 16, 19	19, 25, 49, 251
22.00–22.45 **SPANISH**	25, 31, 49	41, 49, 251	19, 25, 31	41, 49, 251	16, 19, 25	31, 41, 49, 251
13.30–13.45 **TATAR**	13, 16, 19	16, 19, 25, 31 41	13, 16, 19	16, 19, 25, 31 41	13, 16, 19	16, 19, 25, 31 41
13.45–14.00 **TURKESTANI**	13, 16, 19,	16, 19, 25, 31 41	13, 16, 19,	16, 19, 25, 31 41	13, 16, 19 41	16, 19, 25, 31 41
05.15–05.30 **TURKISH**	31, 49	31, 41, 49, 379	31, 41	31, 41, 49, 379	25, 31, 49	31, 41, 49, 379
17.00–17.30	13, 16, 19	19, 31, 49	13, 16, 19	19, 25, 31	13, 16, 19	19, 25, 31
20.00–20.15	19, 25, 31	31, 41, 49	19, 25, 31	31, 41, 49	16, 19, 25	19, 25, 31
18.30–19.00 **UKRAINIAN**	16, 19, 25, 31	19, 25, 31, 41 49	16, 19, 25, 31	19, 25, 31, 41, 49	13, 16, 19, 25	19, 25, 31, 41 49

Many of the programs in East European languages are repeated during the periods 23.00–03.15 and 07.00–13.30

TO FAR EAST

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
10.30–11.00 **AMOY**	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31	19, 25, 49, 326
11.45–12.00 **BURMESE**	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
04.45–05.00 **CANTONESE**	19, 25, 31	16, 19	16, 19, 25	16, 19	13, 16, 19	16, 19
13.00–13.30	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326	25, 31, 49	19, 25, 49, 326
15.30–15.45	31,49	25, 49, 326	25, 31, 49	25, 49, 326	25, 31, 49	25, 49, 326
23.00–23.30	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49
09.30–10.00 **ENGLISH**	31, 49	25, 49, 326	25, 31, 49	25, 49, 326	25, 31, 49	25, 49, 326
10.30–11.00	31, 49	19, 49	25, 31, 49	19, 25	25, 31, 49	19, 25
11.30–11.45	31, 49	19, 49	31,49	19, 49	25, 31	19, 25
12.30–13.00	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
13.00–13.30	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
13.30–14.00	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326	25, 31, 49	19, 25, 49, 326
14.00–14.15	31, 49	19, 25, 31, 326	25, 31, 49	19, 25, 31, 326	25, 31, 49	19, 25, 326

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
14.45–15.00 **ENGLISH**	31, 49	19, 25, 31, 326	25, 31, 49	19, 25, 31, 326	25, 31, 49	19, 25, 326
15.30–16.00	31, 49	19, 31	31, 49	19, 31	25, 31	19
22.00–22.30	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49	13, 16, 19	16, 25, 49
11.00–11.30 **INDONESIAN**	31, 49	19, 49	25, 31, 49	19, 49	25, 31, 49	19, 25
09.30–10.00 **JAPANESE** (08.30–09.00 May-August)	31, 49	19, 31	31, 49	19, 31	25, 31	19, 25
11.30–12.00 **KOREAN** (10.30–11.00 May-August)	31, 49	25, 31, 49	25, 31, 49	25, 31, 49	25, 31, 49	19, 25, 49
13.45–14.00 (12.45–13.00 May-August)	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25, 49
22.30–23.00 (21.30–22.00 May-August)	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49
13.30–13.45 **MALAYAN**	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
02.00–02.15 **MANDARIN**	16, 19, 25	19, 25, 49	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49
05.00–05.30	19, 25, 31	16, 19	16, 19, 25	16, 19	13, 16, 19	16, 19
10.00–10.15	31, 49	25, 31, 49	31, 49	25, 31, 49	25, 31	19, 25, 49
12.00–13.00	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326	25, 31, 49	19, 25, 49, 326
15.00–15.30	31, 49	25, 31, 49, 326	25, 31, 49	25, 31, 49, 326	25, 31, 49	19, 25, 49, 326
23.30–00.00	13, 16, 19	19, 25, 49	13, 16, 19	16, 25, 49	13, 16, 19	19, 25, 49
03.15–03.45 **RUSSIAN**	16, 19, 25	16, 19	13, 16, 19	16, 19	13, 16, 19	16, 19
09.00–09.30	31, 49	19, 25, 31	25, 31, 49	19, 25, 31, 49	25, 31, 49	19, 25, 49
14.15–14.45	31, 49	19, 25, 31, 49	25, 31, 49	19, 25, 31, 49	25, 31, 49	19, 25, 49
21.15–21.45	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49	13, 16, 19	19, 25, 49
11.00–11.30 **SWATOW**	31, 49	25, 31, 49, 326	31, 49	25, 31, 49, 326	25, 31	19, 25, 49, 326
12.00–12.30 **THAI**	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
15.00–15.30	31, 49	19, 49	31, 49	19, 49	25, 31	19, 25
10.00–10.30 **VIETNAMESE**	31, 49	19, 25	25, 31, 49	19, 25	25, 31, 49	19, 25

*** Russian, Chinese and English programmes are repeated during the period 00.00–07.00 and 16.00–21.00 GMT.

TO INDIA & PAKISTAN

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA	Relay Station	USA	Relay Station	USA	Relay Station
	(Meter Bands)		(Meter Bands)		(Meter Bands)	
15.30–16.00 **ENGLISH**	13, 16, 19	13, 16, 19, 25	13, 16, 19	13, 16, 19, 25	13, 16, 19	13, 16, 19, 25
13.00–13.30 **HINDI**	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19
12.30–13.00 **URDU**	13, 16, 19	13, 16, 19	13, 16, 19	13, 16, 19,	13, 16, 19	13, 16, 19

TO LATIN AMERICA

GMT	November thru February		March-April Sept.-Oct.		May thru August	
	USA East Coast	USA West Coast	USA East Coast	USA West Coast	USA East Coast	USA West Coast
13.15–13.30 **ENGLISH**	16, 19	— — —	16, 19	— — —	16, 19	— — —
01.00–02.00	19, 25, 31, 49	16, 19, 31	19, 25, 31, 49	16, 19, 31	16, 19, 25, 31 49	13, 16, 19
02.00–03.00	19, 25, 31, 49	— — —	19, 25, 31, 49	— — —	16, 19, 25, 31 49	— — —
23.00–23.15 **PORTUGUESE**	19, 25, 31	— — —	19, 25, 31	— — —	16, 19, 25	— — —
00.30–01.00	19, 25, 31	— — —	19, 25, 31	— — —	16, 19, 25, 31	— — —
00.00–01.00 **SPANISH**	19, 25, 31, 49	16, 19, 31	19, 25, 31, 49	16, 19, 31	16, 19, 25, 31 49	13, 16, 19
02.00–03.00	19, 25, 31, 49	16, 19, 31	19, 25, 31, 49	16, 19, 31	16, 19, 25, 31, 49	13, 16, 19

ARMED FORCES RADIO SERVICE

The Armed Forces Radio Service is a section of the United States Armed Forces Information and Education Division. It presents regular short wave schedules from both New York City and Los Angeles using the transmitters of the "Voice of America".

The Armed Forces Radio Service strives to keep American servicemen the best educated, best informed and best entertained servicemen in the world.

Address: Commanding Officer, New York Branch Office, Armed Forces I&E Division, 641 Washington Street, New York 14, N. Y. – Commanding Officer, Los Angeles, Branch Office-AFRS, Armed Forces I&E Division, 1016 North Mc-Cadden Place, Los Angeles 38, California.

EUROPEAN SERVICE

	kc/s	m	kW		kc/s	m	kW
WRCA	9550	31.41	50*)	WRUL	15230	19.70	80
WRCA	11890	25.23	50	WGEO	17760	16.89	25**)
WBOS	15210	19.72	50	WRCA	21730	13.81	50

*)winter only. **) summer only. Only three frequencies used simultaneuosly.

Daily Programmes: 18.00–22.45.

News from Home: 22.30. – The other programs mostly consist of music and variety. – *Program Preview:* 18.01. *Sports:* 18.15 or 18.30.

PACIFIC SERVICE

AA=Alaska/Aleutians. MP=Mid-Pacific. SP=South Pacific. M-PH=Marianes, Philippines. EA=East Asia.

Daily Programmes: 01.15–14.15.

	kc/s	m	kW		Beam	
KCBR	6040	49.67	50	07.30–14.15	EA	*)
KCBR	6170	48.62	50	05.00–07.15	AA	*)
KWID	9570	31.35	100	01.15–08.45	AA	**)
				09.00–11.30	SP	*)
KGEI	9670	31.02	50	06.00–08.45	MP	*)
				09.00–14.15	M-PH	**)
KCBR	9700	30.93	50	07.30–14.15	EA	**)
KGEI	11730	25.58	100	06.00–08.45	MP	**)
KCBR	11810	25.40	50	05.00–07.15	EA	*)
KWID	11860	25.30	50	09.00–14.15	EA	**)
KWID	11900	25.21	100	05.30–11.30	SP	**)
KGEI	15105	19.86	100	06.00–08.45	MP	***)
KCBR	15270	19.65	200	07.30–14.15	EA	***)
KCBR	15310	19.60	50	01.15–07.15	AA	**)
KCBR	17770	16.88	50	01.15–07.15	EA	***)

*) Winter only.**) Throughout the year.***) Sum. only.

News: 02.00, 03.00, 05.00, 06.00, 07.00, 09.00, 10.00, 11.00, 12.00, 13.00, 14.00.

Other programmes are devoted primarily to sports casts, and broadcasting of special events, particularly those which are of national and international import. Such specific items as speeches of the President of Cabinet members, and of Army, Air and Navy department figures, form an integral part of the transmission.

Announcement: "This is the Armed Forces Radio Service, The Voice of Information and Education".

WORLD WIDE BROADCASTING FOUNDATION

Address: 1 East 57th St., New York 22, N.Y. *Cable:* Shortwave Newyork.

Leading Personalities: President and Founder, Mr. Walter S. Lemmon. Program Manager, Mr. Fletcher Coates.

STATIONS:

To Europe

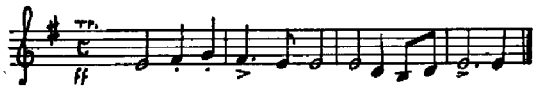
20.00–21.00 on WRUL 11790 kc/s 25.45 m. English, Norwegian (Thurs., Fri.). Danish (Sat.), Swedish (Thurs.), Dutch. (Mo., Tues., Wedn.).

To Latin-America

23.00–24.00 on WRUL 11790 kc/s 25.45 m, 15350 kc/s 19.54 m: Spanish, English.

Announcement: "This is the Voice of Freedom, Station WRUL in Boston, Massachusetts, U.S.A.".

Interval-Signal: New World Symphony.



Verification by QSL-cards.

UNITED NATIONS RADIO

Address: Radio Division, United Nations, New York, U.S.A. *Cable:* Omnipress New York.

Leading Personalities: Director of United Nations Radio Division Mr. Peter Aylen. Deputy Director Mr. Carlos Garcia-Palacios. Chief of Production Mr. W. Gibson Parker. Chief of Special Projects Mr. Norman Corwin. Regional Chiefs Mr. Gerald Kean, Mr. Mike Peng, Mr. Eugenio Soler-Alonso, Mr. Hugh Williams. Chief Radio News Editor Mr. César Ortiz-Tinoco.

SCHEDULE OF SHORT-WAVE BROADCASTS

European and Middle Eastern Programme:

(A) *From Headquarters:*

On CKNC 17.820 kc/s, CKCX 15.190 kc/s.

14.45 Czech (Thurs. only) – 14.55 Icelandic – 15.00 Russian.

On WRCA 11.775 *and* 15.130 *kc/s.*

18.00 Opening	18.45 Arabic News
18.08 French for Belgium	19.00 Correspondent
18.14 French for France	19.15 Serbo-Croat
18.20 English	19.20 Correspondent
18.30 Arabic Summary	19.40 Danish
18.35 Arab. Correspondent	19.50 Dutch

On WLWO 6.040 *and* 9.520 *kc/s relayed:*

Tangier 4, 9.700 kc/s, Tangier 10, 7.214 kc/s.

04.30 Persian	05.15 Hebrew
04.45 Arabic	05.30 Turkish
05.00 Correspondent	05.45 Greek

(B) *From Paris during General Assembly Session beginning 6th November.*

13.30 Icelandic on 9.510 kc/s.

17.30 Russian on 9.620 kc/s.

On 11.845 kc/s:

18.00 Hebrew	19.00 Amharic
18.10 Pushtu	19.10 Turkish
18.20 Persian	19.20 Greek
18.30 Arabic News,	19.30 Serbo-Croat

Note: Transmissions from Paris in Danish, Dutch and French will pass to the national networks from the Palais de Chaillot by radio line and be broadcast on medium waves.

Latin American and Caribbean Programme:

(A) *From Headquarters: On WGEO* 1530 *kc/s (to* 23.45*), WGEO* 9530 *kc/s (to* 24.00*), WRCA* 11890 *(to* 24.00*), WRUL* 15285 *kc/s (*23.45–24.00*), WRCA* 15210 *kc/s (*24.00–00.30*), WABC* 9650 *kc/s (*24.00–00.30*), WRUL* 11790 *kc/s (*00.15–00.30*).*

23.00 Spanish 24.00 French 00.06 English 00.15 Portuguese.

On WRCA 9.560 *kc/s WLWO* 11.710 *kc/s and* 15.330 *kc/s.*

02.00–03.00 Spanish

CENTRAL- AND SOUTH AMERICA

HABANA
ST. CLARA
MEXICO CITY
PORT-AU-PR.
SANTIAGO
CIUDAD TRUJILLO
MARACAIBO
VALENCIA
QUEZALTENANGO
GUATEMALA CITY
SAN SALVADOR
COLON
CARACAS
PORT OF SPAIN
SAN JOSE
BOLIVAR
MEDELLIN
PANAMA CITY
CALI
BOGOTA
RIOBAMBA
GEORGESTOWN
PARAMARIBO
SÃO LUIZ
PARNAIBA
QUITO
SAN CHRISTOBAL
GUAYAQUIL
BELEM
FORTALEZA
MANAUS
TERESINA
TRUJILO
RECIFE
SALVADOR
LIMA
CUIABA
CALLAO
GOIAS
HUANCAYO
ST. CRUZ
LA PAZ
TACNA
ORURO
SUCRE
RIO DE JANEIRO
ANTOFAGOSTA
ASUNCION
SÃO PAULO
TUCUMAN
CORDOBA
IENCARNACION
MENDOZA
ROSARIO
VALPARAISO
MONTEVIDEO
SANTIAGO
BUENOS AIRES
BAHIA
BLANCA
N

Radio Nacional Rio de Janerio: A group of stars (from left to right): The Portuguese singer Esther de Abreu – The singer Marion – Radio theatre actress Yara Salles–Radio theatre actor Brandao Fillio. One of the best Brazilian singers Marlene. Wellknown announcer Manuel Barcellos.

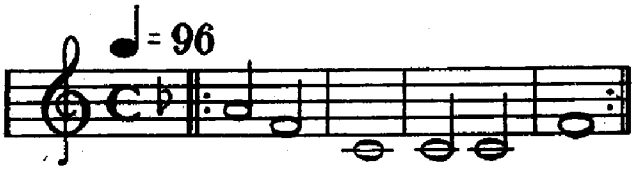
Radio Station TGNA, Guatemala (left): Miss Pollyana Triboullier at the organ and Mr. Don Miquel Angél Marroguin at the microphone in the program »Ebno y Marfil.
Radio Monserrat HROW, Rep. Honduras, (right): Announcement from HROW.

map Central America South America Radio Nacional Rio de Janeiro Esther de Abreu Marion Yara Salles Brandao Fillio Marlene Manuel Barcellos TGNA Guatemala Pollyana Triboullier Don Miguel Angel Marroquin Radio Montserrat HROW Honduras

(B) *Additional Programme from Paris during Sixth Session General Assembly.*
On GWA 6125 kc/s 00.30–00.45 (Tues.–Sun.) Spanish.
Australian and New Zealand Programme:
(A) *From Headquarters (Tues.–Sat.). On CKLO* 9.630 *kc/s* 04.00 *English news. CHOL* 11.720 *kc/s* 04.05 *English Programme.*
(B) *From Paris during Sixth Session General Assembly. On GRU* 9915 *kc/s (Tues.–Sat.)* 07.00–07.15 *English. On GRH* 9825 *kc/s (Sat., Sun.)* 07.15–07.30 *English.*
Trans-Pacific Programme (Daily):
(A) *From Headquarters:*
On KRCA 9600 *kc/s* 6060 *kc/s Honolulu I* 11890 *kc/s Manila I* 17780 *kc/s Manila II* 15250 *kc/s Manila III**) 15330 *kc/s.*

07.15 Korean	08.00 Chinese**)
07.30 English news	08.15 Hindi (Sat. only)
07.35 Tagalog	08.30 Thai (Mon.–Sat.)
07.50 Indonesian (Mon.–Sat.)	08.30 French (Sun. only)
07.45 English programme (Sun. only)	

*) From 07.15–08.30 **) 08.00–08.15 Sat. only.
Chinese Programme (Tues.–Sat.)
On VLG 11 11880 kc/s 09.30 Chinese Programme.
(B) *From Paris during Sixth Session General Assembly.*
On 21740 kc/s 12.45–13.00 Chinese (Mon.–Sat.).
South African Programme (Daily):
From Paris during Sixth Session General Assembly.
On GWG 15110 kc/s 17.30–17.45 English.
Pakistan Programme:
On WRCA 15130 kc/s, WLWO 21650 and 17795 kc/s relayed Tangier 17770, 15340 and 21690 kc/s: 12.15 12.20 English, 12.20–12.30 Urdu.
India-Pakistan Programme:
From Paris during Sixth Session General Assembly: On GSI 15260 kc/s, GRF 12095 kc/s: 14.30–15.00 Hindi Urdu English.
Korean Programme (Daily):
On KRCA 9515 kc/s, KGEI 6075 kc/s, Honolulu II 9650 kc/s, Manila I 11890 kc/s, Manila III 6120 kc/s: 10.15–10.30 Korean.
Broadcasts of Meetings (with narration in English and French):
On WRCA 21610 15.30–17.30. On WRCA 15130 15.30–18.00. On WBOS 9570 (20.15–23.00). WRCA 11775 kc/s (20.00–22.45). WRCA 6100 kc/s (23.00–03.00). WRCA 9615 kc/s (23.00–03.00).
All the above beamed to Europe and the Middle East: 15.30–18.00 morning meetings – 20.00 to closing, afternoon meetings.
Broadcasts from Geneva (Mon.–Fri.):
On 6672 kc/s 18.30 English, 1845 French.
Announcement: "This is the United Nations calling the peoples of the World". This introductory phrase is used in all the official UN programs in all of the languages concerned.
Interval Signal:



Message to Listeners: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio verification card, new correspondents being sent a copy of the Charter, Basic Facts about the United Nations, and booklets about all the Specialized Agencies. – Correspondence, requests for copies of the schedule of U. N. broadcasts which can be heard in the United States, should be addressed to: *Radio Division, United Nations, N.Y., U.S.A.* or to the Director of the nearest UN Information Centre. These centres are located in Belgrade, Buenos Aires, Cairo, Copenhagen, Geneva, Karachi, London, Mexico City, Monrovia, Moscow, New Delhi, Paris, Prague, Rio de Janeiro, Shanghai, Sydney, Tehran, Warsaw and Washington.

CENTRAL AMERICA

BARBADOS

(Operated by Cable & Wireless Ltd.).
Address: Barbados Radiodiffusion Service Ltd., Trafalgar St., Bridgetown, M.5.
Station: ZNX32 7547 kc/s 39.75 m 5 kW.
International cricket, tennis and turf club race meetings. Approx. 16.30–21.30 Sat. and Thurs. at the beginning of March and August and medio November only.
Verification by letter.

COSTA RICA

Language: Spanish. All stations commercial exc. TIFC.
Stations:

Medium W.	kc/s	m	kW	
TIQ	555	537	0.2	"Radio Casino" 12.00–04.00.
TIGPH	605	496	6.5	"Alma Tica" 12.00–04.00.
TIPG	625	481	5	"La Voz de la Victor" 12.00–04.30.
TINRH	710	422	7.5	"La Voz de Costa Rica" 12.00–04.00.
TIPGH2	800	375	3	"Nueva Alma Tica" 12.00–04.00.
TILS	880	341	5	"Para Ti" 16.00–04.30.
TIRS	920	326	5	"Radio Athenea" 12.30–05.00.
TIRH	970	309	5	"Radio El Mundo" 02.30–05.00.
TIFC	995	301	1	"Faro del Caribe" 21.00–05.00.
TIMACHO	1100	272	1	"La Voz del Hogar" 12.00–04.00.
Short Waves:				
TIGPH	5875	51.06	1	"Alma Tica" 12.00–04.00.
TIQ	5990	50.08	1	"Radio Casino" 12.00–04.00.
TIRH	6150	48.78	0.25	"Radio El Mundo" 02.30–05.00.
TILS	6165	48.66	2	"Para Ti" 16.00–04.30.
TIPGH4	6180	48.54	3	"Nueva Alma Tica" 12.00–04.00.
TIPG	9615	31.20	2	"La Voz de la Victor" 12.00–04.30.
TIFC	9645	31.10	1	"Faro del Caribe" 21.00–05.00.

TINRH	9692	30.95	3	"La Voz de Costa Rica" 12.00–04.00.
TIOCHO	9714	30.88	1	"La Voz del Hogar" 12.00 –04.00.
TIRS	11972	25.06	3	"Radio Athenea" 12.30–05.00.

TIGPH – *Address:* Apartado 800, San José.
TIQ – *Address:* Radio Casino, Limon.
TIRH – *Address:* R. El Mundo, San José.
TILS – *Address:* Apartado 3, San José.
TIGPH4/TIGPH2 – *Address:* San José.
TIPG – *Address:* San José. *News* in English 00.40. *Verification* by QSL-letter.
TIFC – *Address:* Apartado 1307, San José.
English: Sun. 21.00–22.00, Mo. 04.00–05.00, other days 04.30–05.00. *Verification* by QSL-card.
TINRH – *Address:* La Voz de Costa Rica, San José.
TIOCHO/TIMACHO – *Address:* La Voz del Hogar, San José.
TIRS – *Address:* R. Athenea, San José. *English* 02.00–02.30. *Verification* by QSL-card.

CUBA

STATIONS:
All Stations commercial except COX4 and COX7.
Medium Waves:

	kc/s	m	kW	
CMW	550	545.5	2.5	Cadena Roja 13.00–05.00.
CMHI	570	526.0	10	Cadena Azul 12.00–06.00.
CMCY	590	508.5	25	Cadena Azul 12.00–06.00.
CMHQ	630	468.7	15	Circuito CMQ 11.00–05.30.
CMQ	640	476.4	25	Circuito CMQ 11.00–05.30.
CMBC	690	434.7	50	Radio Progreso 13.00–05.00.
CMKJ	730	411.0	10	Circuito CMQ 11.00–05.30.
CMCD	740	405.0	10	La Voz del Aire 13.00–05.00.
CMCH	790	379.7	10	Radio Cadena Habana 13.00–05.00.
CWBZ	830	361.4	5	Radio Salas 13.00–05.00.
CMBL	860	348.8	15	Radio Cadena Suaritas 14.00–05.00.
CMCF	910	329.7	10	Union Radio 10.50–05.15 (Sun. 03.30).
CMJL	920	326.1	10	Circuito CMQ 11.00–05.30.
CMCK	980	306.1	5	Periodico del Aire 13.00–06.30.
CMCQ	1420	211.3	0.2	Loma del Mazo 13.00–05.00.
CMOX	1490	201.3	0.2	Cubana Americana de Radio 13.00–05.00.

Short Waves:

COX7	4290	69.63	5	Ministerio de Educación.
COCD	6130	48.94	1	La Voz del Aire 15.00–04.00.
COCW	6322	47.46	1	Cadena Roja 13.00–04.00.
COCY	6450	46.51	1	Cadena Azul 12.00–06.00.
COJK	8663	34.63	1	Voz del Camagüyano 13.00–03.00.
COCO	8700	34.42	5	Periodico del Aire 13.00–06.30.
COCQ	8825	33.92	1	Circuito CMQ 11.00–05.30.
COKG	8955	33.50	1.2	Cadena Oriental de Radio 11.30–05.00.
COBZ	9030	33.22	1	Radio Salas 13.00–05.00.
COBQ	9235	32.49	1	Loma del Mazo 13.00–05.00.
COCX	9273	32.33	1	Emisora del Pueblo 12.30–05.30.
COBC	9362	32.05	1	Radio Progreso 13.00–05.00.
COCH	9437	31.80	5	Union Radio 10.50–05.15 (Sun. 03.30).
COX4	9640	31.12	5	Ministerio de Educación.
COBL	9833	30.51	1	Radio Cadena Suaritas 14.00–05.00.
COCY	11740	25.55	1	Cadena Azul 12.00–07.00.
COBH	11800	25.42	1	Radio Cadena Habana 13.00–05.00.

COX7/COX4 – *Address:* Ministerio de Educación, Avenida de Columbia, Habana. No regular schedule.
COCO/CMCK – *Address:* Cia Radiodifusora. "Periodico del Aire", Manrique 166, Habana.
COCD/CMCD – *Address:* Hotel Palace 25yg, Vedado, Habana. *Verification* by QSL-card.
COCW/CMW – *Address:* Paseo de Marti nr. 53, Habana. *News:* 13.00, 17.30, 17.45, 23.00, 24.00, 00.15.
COCY/CHMI, CMCY – *Address:* Radio Habana Cuba, Paseo de Marti nr. 53, Habana. *News:* 11.00*, 11.59*, 12.26*, 15.52 (Sun.), 23.30 (W), 05.00 (W). (*=not Mo.).
COJK – *Address:* Finlay No. 4, Camagüey.
COCQ/CMHQ, CMQ, CMKJ, CMJL – *Address:* Circuito CMQ, S.A. Radiocentro, Ly 23, Vedado, Habana. *Leading Personalities:* President, Mr. Goar Mestre. Deputy President, Mr. Abel Mestre. Vice-President, Mr. A. Chabau, Mr. M. Cores and Mr. R. Puig. Chief-Engineer, of Television, Mr. V. Montes. Chief-Engineer of Radio, Mr. R. L. Guiral. Chief of Public Relations Dept., Mr. M. A. Martin. – *News:* (*=not. Mo.) 11.00*, 11.21*, 11.31*, 12.14*, 12.30*, 12.40*, 15.55(Sun.), 16.52(W), 17.25(W), 22.58(W), 23.25(W), 01.54(W), 03.37(W), 04.00 (W), 04.25(W). – *Announcement:* "CMQ Desde Radiocentro, La Habana". – *Verification* by QSL-card.
COKG – *Address:* Cadena Oriental de Radio, E. Palma, no. 658, Santiago de Cuba.
COBZ/CMBZ – *Address:* S. Rafael no. 108, Habana. "English by Radio" 23.00.
COBQ/CMCQ – *Address:* Vista Alegre no. 269, Vibora, Habana.
COCX – *Address:* Talleres Tipograficos Nacionales S.A., Guanabacoa, Habana.
COBC/CMBC – *Address:* San José no. 104, Habana. *Verification* by letter.
COCH/CMCF – *Address:* Radio Internacional S.A., Paseo de Marti no. 107, Habana.
Leading Personalities: Mr. M. Alanso. Administrator, Dr. José L. Pelleya. Secretary, Dr. O. Tariche. – *News:* (*=not Mo.) 10.51*, 11.51*, 13.52*, 15.52(Sun.), 22.31, 01.51(W), 03.47(W), 04.30(W), 04.34(W), 05.08(W). – *Verification* by QSL-card.
COBL/CMBL – *Address:* Calle 25, no. 1113, Habana. *Leading Personality:* President, Mr. L. Suarez. *Verification* by QSL-letter.
COBH/CMCH – *Address:* Radio Cadena, Habana, S.A. Edificio O. Aliados, San José y Belascoain, Habana. – *News:* 17.30, 17.45, 23.00, 23.15, 01.00.
CMOX – *Address:* Calle 10, no. 423, Vedado, Hanaba. *All programmes in English.*

CURAÇAO

CURACAOSCHE RADIO VERENIGING
Address: Curacaosche Radio Vereniging (CUROM), P.O. Box 31, Riffort, Willemstad. *Cable:* Curaver.
Leading Personalities: President, Mr. F. Vissen. Director of Programmes, Mr. W. P. G. Stokla.

Stations: PJC2 3 kW. Emisora Juliana Curacao. 2460 kc/s 121.9 m – 5017 kc/s 59.80 m.
Daily Programmes: in *Dutch:* 16.30 (Sun. 13.30, Sat. 17.30)–17.30, (Sat. 18.30), 20.00–02.30 (Sat. 03.00). *News:* 17.00 (Sat. 18.00), 23.15.
Announcement: "Juliana Zender Curacao" in Dutch, English, Spanish, French, Papiamento. – *Verification* by QSL-card.

DOMINICAN Rep.

	kc/s	m	kW	
HI3T	1040	288.5	10	La Voz Dominicana.
HI3C	4890	61.35	0.03	La Voz del Papagayo.
HI1A	4980	60.24	0.075	Radio Caribe.
HI8Z	5030	59.67	0.2	Cadena Nacional de Radio.
HI4T	5970	50.25	7.5	La Voz Dominicana.
HI9B	6000	50.00	0.2	Broadcasting Hotel Mercedes.
HI1J	6025	49.79	0.25	Ondas Nacionales.
HI1N	6050	49.59	0.7	Emisoras Unidas.
HI1Z	6112	49.06	1	La Voz de los Muchachos.
HI1G	6130	48.94	0.25	Emisoras HIG.
HI1R	6160	48.70	0.2	La Voz de Fundacion.
HI9T	6190	48.47	0.1	Broadcasting Tropical.
HI2L	9525	31.50	0.5	La Voz del Tropico.
HI2G	9590	31.28	0.25	Emisoras HIG.
HI2A	9680	30.99	1	La Voz de la Reeleccion.
HI2T	9727	30.84	7.5	La Voz Dominicana.

Hours of transmission for all stations in *Spanish:* 12.00–05.00, ex. where indicated.
HI2T, HI4T/HI3T – *Address:* "La Voz Dominicana", Ciudad, Trujillo. Mo. close down at 03.30.
Announcement: "Transmite El Servicio Circuito Radial, La Voz Dominicana en Santo Domingo, Capitale de la Republica Dominicana".
Verification by QSL-card.
HI3C – *Address:* Bella Vista 49, La Romana.
HI1A – *Address:* Radio Caribe, Apartado 423, Santiago.
HI8Z – *Address:* Mr. Luis F. der Moscoso C, Santiago.
HI9B – *Address:* Mr. Jacinto L. Sánchez, Santiago.
HI1J – *Address:* "Ondas Nacionales", San Pedro de Macoris. *Daily Programmes:* 17.30–19.30, 00.15–02.00 (Sat. 03.00). – *Verification* by QSL-card.
HI1N – *Address:* La Voz del Partido Domicana, Ciudad, Trujillo.
HI1Z – *Address:* Broadcasting Nacional, Apartado 1092, Ciudad Trujillo. *Verification* by QSL-letter.
HI1G/HI2G – *Address:* "Emisoras Hig", Cindad Trujillo.
Announcement: "Radiodifusora Nacional, Emisoras HIG, Republica Dominicana". – *Interval-Signal*: Chimes. –
HI1R – *Address:* Calle Constitution, San Christobal. **Verification** by QSL-card.
HI9T – *Address:* "Broadcasting Tropical", Puerto Plata. *Verification* by QSL-card.
HI2L – *Address:* Apartado 335, Ciudad Trujillo. *Verification* by letter.
HI2A – *Address:* "La Voz de la Reeleccion". Santiago. **Verification** by QSL-card.

GUADELOUPE (French West Indien)

Address: Radio Diffusion Française Préfecture, Basse-Terre, Guadeloupe.
Leading Personality: Director Mr. Zanantoni.
Stations: 650 kc/s 461.5 m 1 kW.
FG8HA 7447 kc/s 40.29 m 0.05 kW
Daily Programs in *French* from 16.00–17.30 and 22.45–01.00. News at 16.30 and 23.25. – *Relays from Paris:* 00.00–00.30.
Announcement: "Ici Radio Guadeloupe, Poste Nationale Français".

GUATEMALA

Language for all Stations: Spanish.
All stations commercial exc. R. Nacional, Radio Morse, La Voz de Quezaltenango, La Voz de la Guardia Civil, Radio Evangelica and TGNA.
Stations:
Medium Waves:

	kc/s	m	kW	
TGW	640	476.4	10	La Voz de Guatemala 12.25–05.00.
TGMX	830	361.4	1	Radio Ciros 12.00–05.00.
TGAX	950	315.8	0.25	Radio Continental 12.00–05.00.
TGD	1070	280.4	0.5	La Voz de Occidente 13.00–14.00, 18.00–19.00, 00.00–03.00.
TGJ	1086	276.0	0.5	Radio Nuevo Mundo 13.00–05.00.
TGO	1140	263.2	0.5	La Voz de las Americas 12.30–05.00.
TGN	1180	254.2	5	TGNA – (Radio Evangelica) W. 12.30–14.00, D. 22.30–03.00.
TGCA	1190	252.1	0.25	Radio Colonial 12.00–05.00.
TGL	1240	241.9	1	La Voz de Centro-America 00.30–04.00.
	1270	236.2	0.5	La Voz de la Telefunken 12.30–05.00.
TG1	1310	229.0	1	Radio Morse 12.30–14.00, 18.00–03.00.
TGR	1350	222.2	1	La Voz de la Guardia Civil 22.00–03.00.
TGT	1390	215.8	0.5	Radio Bolivar 00.00–05.00.
TGQ	1450	206.9	0.5	La Voz de Quezaltenango 01.00–04.30.
TGTO	1470	204.1	2	Radio Internacional 12.00–08.00.
TGWC	1520	197.4	1	La Voz de Guatemala 12.25–05.00.
Short Waves:				
TGNA	5952	50.45	5	T.G.N.A. W. 12.30–14.00, D. 21.30–03.00.
	5970	50.25	0.5	La Voz de la Telefunken 12.30–05.00.
TGOA	6101	49.18	0.5	La Voz de las Americas 12.30–05.00.
TGAZ	6150	48.78	0.25	Radio Continental 12.00–05.00.
TGXX	6180	48.54	0.25	Radio Ciros 12.00–05.00.
TGBA	6200	48.39	1	La Voz del Pacifico 13.00–15.00, 17.00–19.00, 01.00–03.00.
TGJA	6225	48.19	0.5	Radio Nuevo Mundo 13.00–05.00.
TGRA	6255	47.96	0.15	La Voz de la Guardia Civil 22.00–03.00.
TGTQ	6285	47.73	1	Radio Internacional 18.00–20.00, 04.00–08.00.

TGLA	6295	47.66	1	La Voz de Centro America 00.30–04.00.
TGTA	6335	47.35	0.5	Radio Bolivar 00.00–05.00.
TGQA	6401	46.87	0.5	La Voz de Quezaltenango 01.00–04.30.
TGWB	6440	46.58	1	La Voz de Guatemala 12.25–05.00.
TGCB	6570	45.66	0.25	Radio Colonial 12.00–05.00.
TG2	6620	45.32	1	Radio Morse 12.30–14.00, 18.00–03.00.
TGZA	6665	45.01	0.25	Radio Oriental 12.00–05.00.
TGRB	6860	43.73	0.5	La Voz de Guardia Civil 22.00–03.00.
TGDA	7470	40.16	0.5	La Voz de Occidente 13.00–14.00, 18.00–19.00, 00.00–03.00.
TGNB	9668	31.03	5	T.G.N.A. 03.00–03.30.
TGWA	9760	30.74	10	La Voz de Guatemala 23.00–05.00.
TGNC	11850	25.32	5	T.G.N.A. 03.00–03.30.
TGNF	15100	19.87	5	T.G.N.A.
TGWA	15170	19.78	10	La Voz de Guatemala 12.25–23.00.
TGNA	17870	16.79	5	T.G.N.A.

TGNA, TGNB, TGNC/TGN – International Missionary Radio Stations owned and operated by the Central American Benevolent Association and serving as the radio voice of the Central American Mission. – *Address:* Apartado 601, Guatemala City. – *Leading Personalities:* Director, Mr. Harold Van Broekhoven. Chief Engineer, Mr. Howard Leslie Garrison.
English Mailbag Fri. 03.00–03.30.
Announcement: "Coming to you from Guatemala City, "Land of eternal spring" TGNA in the 31 and 25 meter bands, 9668 kc/s and 11850 kc/s." – *Future Plans:* Increase of Spanish broadcasts 12.00–12.30 and 18.00–20.00. Also use of 16 and 19 m.b. – *Verification* by letter and/or QSL-card.

LA VOZ DE LA TELEFUNKEN – *Address:* 1a Calle poniente No. 14. B. Guatemala City.

TGOA/TGO – *Address:* 2a Ave. So. No. 47, Guatemala City.

TGAZ/TGAX – *Address:* 9a Ave. So. & 14 Street, Guatemala City.

TGXX/TGMX – *Address:* 3a Ave. So. No. 115, Guatemala City.

TGBA – *Address:* La Voz del Pacifico, Mazatenango.

TGJA/TGJ – *Address:* 7a Ave. So. No. 89, Guatemala City.

TGRA, TGRB/TGR – *Address:* 6a Ave. So. 14 St., Guatemala City.

TGTQ/TGTO – *Address:* 5a Avenida Sur No. 9, Apartado Postal 127, Guatemala City. – *Leading Personalities:* Director General, Mr. J. M. Lehnhoff. Editor, Mr. L. M. Peulvé – *Daily Programmes* on Sundays 14.00–01.00. *News* (W): 18.15–18.45, 01.15–01.45. *Classical Music:* 03.30–04.00. *Relay BBC:* 24.00, 03.15. "*Marimba*": 04.00–06.00. *Shows:* 06.00–08.00. – *Announcement:* "La Voz de la Capital des de Guatemala" in Spanish, English and French. – *Interval-Signal:* Electrical Xylophone. – *Future-Plans:* Increase of power m.w. station to 5 kW, and s.w. station to 2 kW. – *Verification* by QSL-card.

TGLA/TGL – *Address:* 10 Street West No. 22, Guatemala City. – **Verification** by letter.

TGTA/TGT – *Address:* Avenida Bolivar 13–201, Guatemala City. – **Verification** by QSL-card.

TGQA/TGQ – *Address:* La Voz de Quezaltenango, Quezaltenango.

TGWA, TGWB/TGW, TGWC – *Address:* Radio Nacional, "La Voz de Guatemala", Guatemala City. – *Leading Personalities:* Director, Mr. C. A. Jerez. Director of Programmes, Mr. J. Flamenco y Cotero. Chief Engineer, Mr. Victor Urbina R. Secretary, Augosto Flores. – *News:* **In English:** For British Honduras: Wed. Fri. Sun. 01.15–13.00, 18.30, 01.00, 04.45. *Folkmusic:* 03.15–03.45. 01.45. – For *U.S.A.:* Wedn. Fri. Sun.: 04.15–04.45. – *Announcement:* "La Voz de Guatemala". – *Verification* by QSL-card.

TGCB/TGCA – *Address:* Radio Colonial, Antigna.

TG2/TG1 – *Address:* La Voz de Libertad, 7a Ave. So. & 12 Street, Guatemala City.

TGZA – *Address:* Radio Oriental, Zacapa. – *Announcement:* "Radio Oriental de Zacapa, Guatemala, America Central." – *Interval-Signal:* Vibraphone.

TGDA/TGD – *Address:* "La Voz de Occidente". Quezaltenango.

HAITI

All stations commercial.

Stations:	kc/s	m	kW	
4V2S	5945	50.45	0.3	R. Port au Prince 11.30–12.30, 17.00–19.30, 23.00–03.00 (Sun. 01.00).
4VM	6005	49.96	0.5	Radio Station 4VM 16.30–19.30, 23.00–02.30.
4VCM	6165	48.66	1.0	Magloire Broadc. Circuit 17.00–19.30, 22.30–03.00.
4VWA	6300	47.62	0.1	R. Citadelle 11.30–13.30, 17.00–19.30, 23.00–02.00.
4VCP	6310	47.49	0.1	Radio Station 4VCP 17.00–19.30, 23.00–03.00.
4VCN	6406	46.83	0.1	Radio Fides 11.30–13.30, 23.00–02.00.
4VPL	8984	33.40	0.1	La PBS 20.00–03.00.
4VEH	9710	30.90	0.7	Radio Station 4VEH 11.00–01.30.
4VRW	10130	29.61	0.3	Radio Station 4RW 11.00–13.30, 17.00–19.30, 23.00–02.30.

4V2S – *Address:* Société Haïtienne de Radiodiffusion, Govt. Rue du Centre, Port-au-Prince. *News:* 12.00, 17.30, 23.30.

4VCM/4VGM – *Address:* 36, rue Americaine, Port-au Prince. – *Leading Personality:* Director, Mr. Fr. C. Magloire. – *News:* 17.30, 23.30. – *Interval-Signal:* Five chimes every quarter of an hour. – *Verification* by QSL-card.

4VM – *Address:* Radio Station 4VM, Port-au-Prince. *News:* 18.00, 23.30. – *Verification* by QSL-card.

4VWA – *Address:* Radio Citadelle, Cap Haitien.

4VCP – *Address:* Radio Station 4VCP, Cap Haitien.

4VCN – *Address:* Radio Fides, Port-au-Prince.

4VPL – *Address:* La PBS, Petionville.

4VEH – *Address:* Box 1, Cap Haitien, Haiti. (The station is operated by the "East and West Indies Bible Mission"). *Leading Personality:* Director, Mr. G. T. Bustin. *Daily Programmes:* **In English:** 11.15–12.00(Wed.), 12.30–13.30(Sun.), 23.30–24.00(Sun.), 01.30–02.00(Mo.), 13.00–13.15(W), 00.00–00.15(Mo.). – In *Spanish:* W. 12.30–13.00, Thurs. 12.15–12.30. Sun.: 12.00–13.30. Mo.:01.15–01.30. – In *French* and *Creole:* Mo. 00.15–01.00.

Announcements: In *English:* "This is Radio Station 4VEH, Cap Haitien, Haiti". – In *French:* "C'est la Voix Evangélique d'Haiti, Station Radio Diffusion 4VEH, Cap Haitien, Haiti". – In *Spanish:* "Radiodifusora 4VEH Cabo Haitiano, Haiti". – *Verification* by QSL-card.
Future-Plans: A 10 kW short wave transmitter is under construction.
4VRW – *Address:* Rue Boun Fer, Box A 117, Port-au-Prince. *Leading Personality:* Director, Mr. C. R. Widmaier. *News:* 12.00, 17.30, 23.30. *Interval-Signal:* Chimes.

HONDURAS (Rep.)

Language for all Stations: Spanish. – All stations commercial exc. HROW.
Stations:

	kc/s	m	kW	
HROW	850		0.3	R. Monserrat 12.50–04.00.
HRN	5875	51.06	1	La Voz de Honduras 12.30–20.00, 23.00–04.00.
HRA	5925	50.66	1	La Voz de Lempira 13.00–15.00, 19.30–04.00.
HROW	6020	49.83	1	Radio Monserrat 12.50–04.00.
HRQ5	6070	49.42	0.25	La Voz de Suyapa 12.00–05.00.
HRQ	6125	48.98	1	La Voz de Suyapa 12.00–05.00.
	6177	48.56	1	Radio Tela 12.00–05.00.
	6187	48.49	1	R. Progresso 12.00–05.00.
HRD2	6235	48.12	0.3	La Voz de Atlantida 16.30–19.30, 23.00–03.00.
HRP1	6351	47.24	0.6	El Eco de Honduras 16.00–19.30, 23.00–04.00.
HRLP	6410	46.80	0.6	La Voz Popular 12.00–05.00.
HROW	6675	44.95	2	R. Monserrat 12.50–04.00.
HRXW	8990	33.37	0.25	R. Comayagüela 17.30–04.00.

HRN – *Address:* La Voz de Honduras, Tegucigalpa.
HRA – *Address:* La Voz de Lempira, Tegucigalpa.
HROW – *Address:* Radio Monserrat, Cadena Radial Hondurena, Tegucigalpa. *Cable:* "Monserrat". *Leading Personality:* Director, Mr. A. León Gómez. *News:* 12.55, 19.30, 01.00. *Listener requests:* 23.00. *Dance Music:* 02.15. *Announcements:* On 850 kc/s: "R. Monserrat HROW". On 6020 kc/s: "Radio Reloj Musical". On 6675 kc/s: "R. Monserrat HROW, la Emissora de los Hondurenos". *Verification* by letter. IRC required.
HRQ5, HRQ – *Addresses:* HRQ5 La Voz de Suyapa, Tegucigalpa – HRQ: La Voz de Suyapa S. Pedro Sula.
HRD2 – *Address:* Avenida 14 de Julio, La Ceiba.
HRP1 – *Address:* El Eco de Honduras, San Pedro Sula.
HRLP – *Address:* La Voz Popular, Tegucigalpa.
HRXW – *Address:* Radio Comayagüela, Comayagüela.

HONDURAS (British)

Address: Government Radio Station c/o Colonial Postmaster, Belize, British Honduras.
Station: ZIK2 4900 kc/s 61.23 m 0.2 kW.
Daily Programmes in *English* 18.15–20.00, 02.00–04.00.

JAMAICA (British West Indies)

Address: Jamaica Broadcasting Co. Ltd., Broadcasting House, 32 Lyndhurst Road, Cross Roads, Jamaica BWI. *Cable:* Broadco.
Leading Personalities: General Manager, Mr. W. Mac Lurg. Director of Programmes, Mr. D. M. Gick. Chief Engineer, Mr. A. H. Dickinson.
Stations: 5 kW 880 kc/s 340.9 m 4820 kc/s 62.24 m
2330 – 128.5 – 4950 – 60.60 –
3360 – 89.34 –

Daily Programmes in *English:*
On 880 kc/s 11.30–04.00. On 4950 kc/s 11.30–20.15.
On 3360 – 21.00–04.00.
News: 12.30, 13.00, 16.00, 23.00, 02.00. – "*Wake up Jamaica*": W. 11.30–13.00. "*Greeting Time*": Daily 23.15–23.45.
Announcement: "This is Radio Jamaica".
Verification by QSL-card.

MARTINIQUE (French West Indies)

Address: Radiodiffusion Française, Pavillon du Tourisme Fort de France.
Leading Personalities: Director, Mr. Zanantoni.
Stations: 1500 kc/s 200 m 1 kW.
FNRI 9700 kc/s 30.93 m 0.4 kW.
Daily Programmes: 10.30–11.30 (Sun. 11.30–13.00), 16.15–17.45 (Sat. Sun. 19.30), 22.30 (Sun. 22.00)–01.15 (Sat. 02.00).
News: 11.00, 17.00, 00.00 (Relays from Paris).
Announcement: "Ici Radio Martinique, Poste National Français".
Interval-Signal: The first six notes of "Sous les Ponts de Paris" played on Xylophone. – **Verification** by QSL-card.

MEXICO

Language for all stations: Spanish.
STATIONS:
Medium Waves.

	kc/s	m	kW	
XEX	730	410	250	La Voz de Mexico 12.55–06.00.
XELO	800	375	150	Cia Radiodifusoras de Piedras Negras.
XEFW	810	370	50	La Voz de Tampico. As XETW.
XEW	900	333	100	La Voz de la America. As XEWW.
XEQ	940	319	50	La Cadena Azul. As XEQQ.
XEOJ	1000	300	10	Radio Mil. As XEOI.
XEG	1050	285	100	Voz de Norteamerica S.A. 12.00–06.00.
XEDP	1060	283	50	* R. Gobernacion. As XEXA.
XERB	1090	275	50	Interamericana de Radio SA 12.00–06.00.
XEQB	1110	270	5	R. Central de Mexico. As XEQH.
XENT	1140	263	50	Julio Santos Coy 12.00–06.00.
XEB	1220	246	100	Las Emisoras de America. As XEBT.

Short Waves.

XEJG	4820	62.24	0.2	* Gobierno del Estado de Jalisco 13.00–05.00.
XEOI	6010	49.92	2.5	R. Mil 13.00–06.00.
XEUW	6020	49.83	0.25	Eco de Sotavento 12.00–06.00.
XEKW	6030	49.75	0.5	Eco de Michoacan 12.00–17.00, 21.00–04.00.
XETW	6045	49.66	0.1	Voz de Tampico 10.30–06.00.
XEQH	6130	48.94	0.1	Cadena R. Continental 16.00–06.00.

XEXA	6175	48.58	0.1 *	R. Gobernacion 16.00–06.00.
XECC	6185	48.50	0.05	Impulsoras del Progreso 12.00–05.00.
XEWW	9500	31.58	10	La Voz de la America Latina 12.55–06.15.
XEFT	9545	31.43	0.25	Voz de Vera Cruz 15.00–05.25.
XETT	9555	31.40	0.5	La Hora Exacta 12.00–06.00.
XEYU	9600	31.25	0.25*	Universidad Nacional 10.00–17.00.
XERQ	9610	31.22	5	Cadena R. Continental 13.00–06.00.
XEBT	9625	31.27	10	Las Emisoras de America 14.00–06.00.
XEQQ	9680	30.99	1	La Cadena Azul 12.55–06.00.
XENN	11780	25.47	0.50	Salvador del Condo.
XEBR	11820	25.38	0.15	Radiodifusora de Sonora 14.00–17.00, 23.00–04.00.
XEHH	11880	25.25	1	Sal de Uvas Picot 13.55–06.00.
XEXE	11900	25.21	10	La Voz de Mexico 12.00–06.00.
XEXE	15205	19.73	10	La Voz de Mexico 12.00–06.00.

***) Cultural stations. Other stations commercial.**

XEXE/XEX – *Address:* R. de Mexico, S.A., de C.V. Cordoba 48, Mexico D.F. – *News:* 13.45, 21.00, 23.53, 01.15, 03.00, 03.45, 04.15, 05.50.
XELO – *Address:* Calle 21 y "K" Ciudad Juarez, Chile.
XEG – *Address:* Hidalgo 426, Monterrey.
XERF – *Address:* Prolong. Calles de Guerrero S/N, Camino, S. Carlos.
XERB – *Address:* California Desp. 1, Tijuana, Rosarito.
XENT – *Address:* Av. Guerrero 1105, Altas 6, Nuevo Laredo Tam.

XEJG – *Address:* Palacio de Gobierno, Guadalajara.
XEOJ – *Address:* Fomento de Radio S.A., Donato Guerra No. 26, Mexico City. – *News* every full hour.
XEUW – *Address:* Independencia No. 230, Vera Cruz.
XEKW – *Address:* Aldama No. 154, Morelia.

XETW/XEFW – *Address:* Madero 204, Tampico. – *Daily Programmes:* **English** 10.30–13.30, Spanish 13.31–00.30, English 00.31–06.00. – D.: "*Mexico Es Asi*" 15.00–15.30; "Club Familiar" 16.00–17.00; "Hora del Cafe" 23.00–24.00.

XEQH, XERQ/XEQB – *Address:* Cadena Radio Continental Reforma 51 and Bolivar 27, Mexico D.F. – *Leading Personality:* Director General, Mr. F. A. Jiménez.
XEXA/XEDP – *Address:* Calle de Bucareli, Mexico City. *Daily Programmes:* 13.00–06.00.

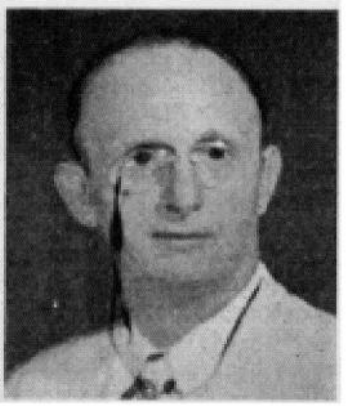
XECC – *Address:* 2 Norte Numero 803, Mexico D.F.
XEW/XEWW – *Address:* Cadena Radiodifusora Mexicana S.A., Calle Ayuntamiento No. 54, Mexico D.F. *Announcement:* Call given every quarter of the hour "XEW y XEWW Ciudad de Mexico" preceeded by four descending chimes. – *Verification* by QSL-card.
XEFT – *Address:* Independencia No. 74, Vera Cruz. – *Verification* by QSL-card.
XETT – *Address:* Dolores No. 17,4/to Piso, Mexico D.F.
XEYU – *Address:* Calle de Justo, Sierra No. 16. Mexico D.F., Mexico. – *Leading Personality:* General Manager, Mr. A. Quijano Jr.
XEBT/XEB – *Address:* Estaciones Radiodifusoras Comerciales XEB and XEBT, Calle Buen Tono No. 6. Apartado Postal 7944, Mexico D.F. – *Leading Personality:* Managing Director, Mr. A. Duprat. – *Interval-Signal:* Melody: Liszt's "Liebestraum". Between each program cuckoo signals. – *Verification* by QSL-card.
XEQQ/XEQ – *Address:* Radio Panamericana XEQQ, José Maria Marroqui No. 11, Mexico D.F.
Mexican Music: Daily 16.00. – Verification by QSL-card.
XEBR – *Address:* Serdan 144, Hermosillo. – *Verification* by QSL-card.
XEHH – *Address:* Zempoala No. 77, Mexico D.F.

NICARAGUA

Language Spanish – all stations commercial except YNV.

Stations:

YNJJ	4052	74.00	0.02	R. Carazo, Jinotepe 12.00–03.00,
YNCHA:	5010	59.88	0.1	La Voz de Carazo, Diriamba, 12.00–04.00. *Announcement* in Spanish and English every fifteen minutes. *Verification* by letter.
YNMW:	5040	59.52	0.4	R. Continental, Managua, 13.00–03.00.
YNJAT:	5758	52.10	0.6	La Voz del Aire, Leon, 00.00–03.30.
YNWW:	5965	50.28	0.4	R. Sport, Granada, 13.00–03.00.
YNDG:	5995	50.04	1	R. Colonial, Leon, 23.00–03.00.
YNBH:	6015	49.88	0.4	R. Panamericana, Managua, 13.00–22.00, 03.45–04.30. *Verification* by letter.
YNOW:	6055	49.55	0.6	La Voz de la America Central, Calle Noreste 607, Managua, 13.00–05.00.
YNEQ:	6065	49.46	0.2	La Voz de la Victoria, Apartado 338, Managua, 13.00–04.00.
YNRG:	6087	49.28	0.1	La Voz de Oriente, Granada, 13.00–04.00.
YNV:	6100	49.18	2	Radiodifusora Nacional, Managua, 13.00–03.00.
YNZZ:	6140	48.86	0.4	R. Mundial, Managua, 13.00–03.00.
YNVP:	6185	48.50	0.2	La Voz de Nicaragua, 12.00–20.00, 22.00–04.00.
YNAS:	6300	47.62	0.1	Ondas del Xolotlan, Managua, 12.00–03.00.
YNAC:	6710	44.64	0.22	R. Pax, Managua, 14.00–03.00.
YNFT:	7300	41.10	0.2	La Voz de Sultana, Granada, 22.00–02.00.
YNAO:	7360	40.76	0.2	Ecos del Aire, Masaya, 12.00–03.00.
YNAM:	7400	40.54	0.5	Academia Militar, 13.00–04.00.
YNXA:	7415	40.47	0.1	Ondas Culturales, Masaya, 22.00–04.00.
YNTZ:	7460	40.21	0.1	R. Masaya, Masaya, 14.00–04.00.



Haiti (left): Director Bustin who often can be heard from Radio Station 4 VEH. – *Panama:* Mr. Geo Williams who can be heard from HPM 21 daily at 17.30, 23.00, 01.00, 02.00 ("Radio-Newspaper").

YNRL:	7517	39.90	0.15	La Voz de la Victoria, Granada, 13.00–04.00.
YNLAT:	7625	39.34	0.4	La Voz del Mombacho, Granada, 22.00–03.15. *Verification* by letter.
YNMG:	8007	37.46	0.1	La Voz de Jinotepe, Jinotepe, 17.30–19.00, 01.00–02.30.
YNXW:	8250	36.36	0.1	R. America, Av. Sureste 409, Managua, 12.00–04.00.
YNV:	9715	30.88	2	Academia Militar, Managua, 13.00–04.00.
YNV:	11815	25.39	2	Academia Militar, Managua, 13.00–04.00.

PANAMA

Language: Spanish and English. All stations commercial.
Stations:

Short Waves:

	kc/s	m	kW	
HO5O	5995	50.04	1	R. Programas Continental
HP5K	6005	49.96	1	Voz de la Victor. 11.00–05.00.
HP5B	6030	49.75	0.25	R. Miramar 23.00–05.40.
HORT	6060	49.50	0.5	R. Balboa 11.00–03.00.
HOO	6090	49.26	0.3	La Independiente.
HP5H	6122	49.00	0.5	Voz del Pueblo 12.00–05.00.
HOQQ	6140	48.86	0.25	Emisora Nacional 12.00–02.30.
HOB	6175	48.58	0.3	R. Panamericana 11.30–04.00.
HOLA	9505	31.56	0.25	R. Atlantico 13.00–03.00.
HP5J	9607	31.23	0.5	Voz de Panama 12.15–15.00, 21.00–03.30.
HOJA	9645	31.10	0.3	R. Provincias 11.00–03.00.
HOXC	9660	31.06	7.5	R. Centro Americana 11.00–03.00.
HP5A	11700	25.64	0.5	Onda Popular 11.00–03.00.
HP5G	11780	25.47	0.8	R. Panamericana.
HOXB	11810	25.40	7.5	R. Centro Americana 11.00–03.00.
HOXA	15100	19.87	7.5	R. Centro Americana 11.00–03.00.

Medium Waves:

	kc/s	m	kW
HOHM	610	491.8	1
HOK	640	468.8	0.25
HOX	940	319.1	0.5
HPM21	1060	283.0	0.5
HOQ	1250	240.0	0.25
HJ6J	1380	218.0	0.25
HOL	1390	215.8	0.25
HORS	1410	212.8	0.5
HOHH	1470	204.1	1
HON	1500	200.0	0.25

HP5K/HOK, HON – *Address:* Union Radio Agent Jean y Jaen, Apdo. 33, Colon.

HP5B – *Address:* Apartado 910, Panama City. – *Verification* by QSL-card.

Daily Programmes: In *Spanish* 11.30–03.30.

HO5O/HOHM – *Address:* Radio Programas Continental, Apartado 1795, Panama City. *Cable:* Erepece, Panama. – *Leading Personalities:* Director General, Mr. Fernando Eleta A. General Manager, Mr. Alberto Arbésú. – *News:* W: 11.30, 17.30, 23.30, 03.45. – *Announcement:* "Transmite Radio Programas Continental por sus emisoras HOHM 610 kc/s onda large y HO5O en 6045 kc/s bands da 49 metros, onda corta, en Panama Republica de Paname". – *Verification* by letter.

HORT/HORS – *Address:* Apdo. 1524, Panama.

HOO/HOOH – *Address:* Apdo. 545, Panama.

HP5H – *Address:* Apartado 1045, Panama City.

HOQQ/HOQ – *Address:* Aptdo. 652, Panama. – *Leading Personality:* Director General, Mr. Agustin de Mena. – Programmes consist mainly of Latin American Music.

HOB, HP5G – *Address:* Apdo. 1121, Panama.

HOLA/HOL – *Address:* Apartado 444, Colon.

News: 17.35, 22.35. – *Verification* by QSL-card.

HP5J/HP6J, HPM21 – *Address:* Servicio Publico de Radio, Apartado 867, Panama City. – **For HPM21:** La Voz de Ancon, Panama: Radio Newspaper of Geo Williams 17.30, 23.00, 01.00, 02.00. – *Verification* by QSL-card.

HOJA – *Address:* R. Provincias, Chitre.

HOXC, HOXA, HOXB/HOX – *Address:* Aptdo. 1335, Panama.

HP5A/HOC – *Address:* Aptdo 954, Panama.

EL SALVADOR

	kc/s	m	kW	
YSP	780	386	0.25	La Voz de Cuscatlan 12.30–05.00.
YSDR	820	366	0.3	Radio Tropical
YSF	840	357	0.3	Radio Vanguardia 18.00–20.00, 00.00–04.00.
YSO	870	344	0.5	La Voz de la Democracia 12.00–15.00, 17.00–21.00, 23.00–04.00.
YSHQ	950	316	0.35	La Voz del Progreso 16.00–20.00, 23.00–05.00.
YSR	990	303	0.75	La Voz de El Salvador 16.00–06.00.
YSC	1025	293	1	Radio Mil Veinticinco 11.00–05.00.
YSU	1050	285	1	Radio Mil Cincuenta 12.00–05.00.
YSI	1100	272	0.3	Radio Intercontinental 13.00–15.00, 18.00–21.00, 23.00–04.00.
YSLL	1500	200	0.3	San Salvador en el Aire.
YSMM	1600	187	0.5	La Voz Suprema de Occidente 12.30–20.00, 23.00–04.00.

Short-Waves:

YSF	2200	136.36	0.5	Radio Vanguardia 18.00–20.00, 00.00–04.00.

Panama Haito Bustin Radio 4 VEH Geo Williams HIPM El Salvador

YSIA	3130	95.84	0.3	as YSI 13.00–15.00, 18.00–21.00, 23.00–04.00.
YSDR	4800	62.50	0.3	Radio Tropical.
YSW	6000	50.00	0.25	La Radio del Pueblo 13.00–15.00, 18.00–20.00, 00.30–04.00.
YSR	6050	49.59	0.75	La Voz de El Salvador 16.00–06.00.
YSC	6095	49.22	1	Radio Mil Veinticinco 11.00–05.00.
YSP	6150	48.78	0.35	La Voz de Cuscatlan 12.30–05.00.
YSHQ	6170	48.62	0.35	La Voz del Progreso 16.00–20.00, 23.00–05.00.
YSMA	6180	48.54	0.25	La Voz Suprema de Occidente 12.30–20.00, 23.00–04.00.
YSUA	6250	48.00	0.75	Radio Mil Cincuenta 12.00–05.00.
YSO	7270	41.27	1	La Voz de la Democracia 12.00–15.00, 17.00–21.00, 23.00–04.00.
YSLL	9540	31.45	0.5	San Salvador en el Aire.

YSF – *Address:* 6a A.N.8, San Salvador.
YSIA/YSI – *Address:* Col. La Rabida, San Salvador.
YSDR – *Address:* Radio Tropical, Santa Ana.
YSW – *Address:* 4a Calle Poniente, Santa Ana. *Verification* by QSL-card.
YSR – *Address:* 41a A.N. y C. Arce, San Salvador.
YSC – *Address:* 14a A.N. 29, San Salvador.
YSP – *Address:* Calle Ruben Dario 46, San Salvador.
YSHQ – *Address:* 17 Calle Oriente, San Miguel.
YSMA/YSMM – *Address:* 11 C.P. y 12 Av. Sur, Apartado 98, Santa Ana.
Leading Personalities: Director General, Mr. Gil Ovidio Guadron. Chief Engineer, Mr. Aguilar Morán Jr.
News: 18.00, 19.45, 00.45.
Interval-Signal: Motif from the melody "Navidad Blanca".
YSUA/YSA – *Address:* 1a A.S. 50, San Salvador. *News:* 12.15, 19.30, 04.15. *Verification* by letter.
YSO – *Address:* 6a C.O. 28, San Salvador. *Verification* by QSL-card.
YSLL – *Address:* 11a A.S. 21, San Salvador. *Verification* by QSL-card.

TRINIDAD

Address: Trinidad Broadcasting Company Limited, Broadcasting House, 11b Maraval Road, Port of Spain,
Leading Personalities: General Manager, Mr. K. T. Murray. Chief Engineer, Mr. R. Goodsman. Ass. Manager, Mr. J. M. Laing.
Stations: VP4RD. "*Radio Trinidad.*"
1295 kc/s 231.6 m 2 kW 9625 kc/s 31.17 m 0.5 kW.
Daily Programmes in *English:* 10.00–03.00. *News:* 10.45, 12.00, 16.30, 23.45.
Announcement: "This is Radio Trinidad".
Verification by QSL-card.

SOUTH AMERICA

ARGENTINA

All stations exc. SIRA and R. del Estado: Commercial.
Stations:

Medium Waves:	kc/s	m	kW	Station	Hours of transmission
LV12	580	509	10	R. Independencia	10.00–02.00
LRA	670	448	20	R. del Estado	11.00–04.00
LRA	710	422	200	R. del Estado	11.00–04.00
LR4	830	361	50	R. Splendid	10.30–04.00
LR3	950	316	50	R. Belgrano	09.45–03.15
LW2	970	309	5	R. Aconcagua	10.00–04.00
LR1	1070	280	50	R. El Mundo	10.00–03.55
Short Waves:					
LRS1	5985	50.12	10	as LR4	as LR4
LRA1	6065	49.46	10	as LRA	–
LRX1	6120	49.02	10	as LR1	–
LRM	6180	48.54	10	as LW2	–
LRS	9320	32.19	10	as LR4	–
LRY	9455	31.75	50	R. Belgrano	09.45–21.00 22.50–02.30
LRA	9455	31.75	50	SIRA	21.00–22.50 02.30–06.00
LRX	9660	31.06	10	as LR1	as LR1
LRA1	9690	30.96	10	as LRA	11.00–22.00
LRA	9690	30.96	100	SIRA	22.00–05.00
LRT	11840	25.34	10	as LV12	as LV12
LRA	11880	25.25	50	SIRA	13.00–03.30
LRA	15290	19.62	20	SIRA	17.15–20.45 02.00–06.00
LRA	15345	19.55	100	SIRA	
LRA	17720	16.93	100	SIRA	15.00–21.30

LRS1, LRS/LR4: *Address:* Belgrano 1841, Buenos Aires. *Announcement* in Spanish: "LR4, Radio Splendid de Buenos Aires, con sus ondas cortas LRS y LRS1, y la Red Argentina de Emisoras Splendid".

LRA1/LRA: *Address:* Radio del Estado, Buenos Aires. *Daily Programmes* in Spanish: News: (W.) 13.30, 16.30, 23.30, 01.00. Symphony: Thurs 00.30. Fri.: 00.30. *Announcement* in Spanish: "LRA, Radio del Estado en Buenos Aires".

LRX, LRX1/LR1: *Address:* Maipu 555, Buenos Aires. *Announcement* in Spanish: "LR1, LRX, LRX1, Radio El Mundo de Buenos Aires". – *Verification* by QSL-card. IRC required.

LRM/LW2: *Address:* Avenida Civit 460, Mendoza.
LRY/LR3: *Address:* Posadas y Ayacucho, Buenos Aires. *Announcement* in Spanish: "LR3 y LRY, Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Broadcasting". – *Interval-Signal:* 4-note signal on vibraphone.
LRA (SIRA): *Address:* Servicio Internacional Radiofonico Argentino, Avenida Belgrano 1841, Buenos Aires. *Leading Personality:* General Director, Mr. Abel Orlando Figun.

DAILY PROGRAMMES:
E=Europe. ME=Middle East. B=Brazil. LA=Latin America. NA=USA, Canada. P=Portugal. S=Spain.
English:
18.00–20.30 on 17720 kc/s to E *News:* 18.04, 19.00, 20.00, 20.20.
19.30–21.00 on 11880 kc/s to ME *News:* 19.34, 20.50.
21.00–22.50 on 9455 kc/s to NA *News:* 21.05, 22.40.
00.05–05.00 on 9690 kc/s to NA *News:* 00.10, 01.00, 01.50, 02.10, 03.00, 04.00, 04.50.
02.00–06.00 on 9455 kc/s to NA *News:* 03.00, 04.00, 05.00, 05.50.

French:
16.00–17.00 on 17720 kc/s to E *News:* 16.03, 16.51.
18.05–19.30 on 11880 kc/s to ME *News:* 18.09, 19.21.
22.00–23.00 on 9690 kc/s to E *News:* 22.04, 22.51.
German:
21.05–22.00 on 11880 kc/s to E *News:* 21.09, 21.51.
Italian:
17.00–18.00 on 17720 kc/s to E *News:* 17.03, 17.51.
Portuguese:
13.00–18.00 on 11880 kc/s to B, P *News:* 13.05, 14.00, 15.00, 16.00, 17.00, 17.50.
22.00–03.30 on 11880 kc/s to B *News:* 22.04, 23.00, 23.55, 01.00, 02.00, 03.20.
Spanish:
15.00–16.00 on 17720 kc/s to S *News:* 15.04, 15.51.
17.15–20.45 on 15290 kc/s to LA *News:* 17.20, 18.30, 19.30, 20.35.
23.05–24.00 on 9690 kc/s to LA *News:* 23.09, 23.51.
02.00–06.00 on 15290 kc/s to LA *News:* 02.05, 03.00, 04.00, 05.00, 05.50.
Swedish:
20.30–21.30 on 17720 kc/s to E *News:* 20.33, 21.21.
Signature Tune: "La Firmeza".
Announcement: "Aqui Buenos Aires, Argentina" in the language of the programme. *Verification* by QSL-card. *Publication:* Monthly programme schedule bulletin, in seven editions: Portuguese, Spanish, English, Italian, French, German and Swedish.
LRT/LV12: *Address:* Rivadavia 120, Tucuman.

BOLIVIA

Language for all stations: Spanish. All stations Commercial exc. CP 4, 5, 6.
Stations:

	kc/s	m	kW	
CP27	730	410	1	R. La Cruz del Sur. As CP38.
CP20	900	333	0.3	R. El Condor. As CP15, 18.
CP4	1020	294	10	R. Illimani. As CP5, 6.
CP29	1350	222	0.08	R. Fides. As CP29.
CP47	1160	258	0.1	R. Popular. As CP44.
Short Waves:				
CP5	5970	50.26	1	R. Illimani. 11.30–13.00, 15.00–17.00, 21.30–03.00.
CP44	6060	49.50	0.1	R. Popular. 12.00–13.00, 16.00–18.00, 23.00–03.00.
CP18	6070	49.42	0.3	R. El Condor. 11.00–14.00, 16.00–18.00, 22.00–03.00.
CP15	6120	49.02	1	R. El Condor. As CP18.
CP30	6135	48.90	0.5	R. Electra. 16.15–17.30, 21.30–02.00.
CP12	6150	48.78	0.3	R. Fides. 16.00–17.30, 22.00–02.15.
CP9	6185	48.50	0.5	R. Amauta. 11.15–13.00, 23.00–03.00.
CP37	6190	48.47	0.3	R. Oruro.
CP6	9500	31.58	1	R. Illimani.
CP38	9505	31.56	1	R. La Cruz del Sur. W: 15.00–17.35, 23.30–02.15. Sun.: 12.30–13.30, 16.30–21.00.
CP21	9570	31.35	0.4	R. La Plata. 13.00–14.00, 20.30–22.00, 00.30–02.00.

CP5, 6/CP4. *Address:* Emissora del Estado, Palacio de Gobierno, La Paz.
CP44/CP47. *Address:* Esteban Arze 158, Cochabamba.
CP15, 18/CP20. *Address:* CP15: Av. Camacho, La Paz. CP18: La Plata 1139, Oruro. *Verification:* by letter.
CP30. *Address:* Correo Central, Santa Cruz.
CP12/CP29. *Address:* Colegio San Calixto, La Paz.
CP9. *Address:* Comercio 386, La Paz.
CP37. *Address:* Casilla 114, Oruro.
CP38/CP27. Owned by the Canadian Baptist Mission. *Address:* La Cruz del Sur (The Southern Cross), Cajon 8, La Paz. – *Leading Personalities:* Directors, Mr. Walter S. Ridgway, Miss Mary Beard. Engineer, Mr. John Mikaelsen. – *Daily Programmes:* News: (W. only) 17.30, 23.30, 02.00. **English** Programme: Sat. 02.15–02.45. – *Announcement:* in English at close down 02.15. – *Verification* by QSL-card.
CP21. *Address:* 25 de Mayo 41, Sucre.

BRAZIL

Language for all stations, except as noted: *Portuguese.* All stations *Commercial,* exc: Radio Ministerio da Educacao e Saude and Radio Difusora do Dep. Federal de Seguranca Publica.
Medium Waves:

	kc/s	m	kW	
PRH7	620	483.9	5	R. Panamericana.
PRA8	720	417.0	25	R. Clube de Pernambuco. 08.55–02.00.
PRL6	780	384.0	20/10	R. Jornal do Commercio. 09.55–02.00.
PRA2	800	375.0	25	R. Ministerio da Educacao e Saude. 09.50–12.00, 15.00–02.00.
PRI3	880	341.0	22.5	R. Inconfidencia. 10.00–03.00.
ZYK20	890	337.1	20/10	R. Tamandaré. 09.00–03.00.
PRB7	900	333.3	10	R. Tamoio. 09.00–04.00.
PRF3	960	312.0	5	R. Difusora Sao Paulo. 10.00–04.00.
PRE8	980	306.1	50	R. Nacional. 09.00–04.10.
PRB9	1000	300.0	50	R. Record.
PRD8	1030	291.0	5	Emissora Continental. 10.00–04.00.
PRG2	1040	288.0	50	R. Tupi. 10.00–04.00.
PRH3	1160	258.6	1	R. A. Voz do Oeste. 12.00–13.00, 15.00–18.00, 21.00–01.00.
PRE9	1200	250.0	10	Ceara R. Clube. 09.00–03.00.
PRG8	1210	247.9	1	Bauru R. Clube. 11.00–14.00, 20.00–02.00.
ZYB5	1270	236.0	1	R. Poti 21.00–01.00.
ZYX9	1270	236.0	10	R. Brasil Central. 12.00–16.00, 18.00–22.00, 00.00–03.00.
PRG3	1280	234.0	50	R. Tupi. 10.00–03.30.
ZYO7	1350	222.5	1	R. Borborema. 21.00–01.00.
ZYQ3	1370	218.5	0.5	R. Difusora de Teresina. 20.55–02.00.
PRC5	1450	207.0	5	R. Club de Para. 10.00–01.30.
ZYN20	1450	207.0	5	R. Cultura da Bahia. 21.00–01.00.
PRJ4	1470	204.1	0.5	R. Educadora de Parnaiba. 14.00–16.00, 20.30–01.00.
PRJ9	1490	201.3	5	R. Timbira. 11.00–01.00.
ZYZ21	1490	201.3	5	R Relogio Federal. 24 hours a day.

Short Waves:

ZYV30	2340	128.2	0.5	R. Difusora Brasileira. 21.00–02.00.
ZYK21	3265	91.87	1	as ZYK20. 09.00–03.00.
ZYR31	3275	91.60	1	as PRG8. 11.00–14.00, 20.00–02.00.
	3295	91.04	5	as PRD8. u. constr.
	3325	90.23	1	as ZYO7. 21.00–01.00.
ZYN22	3345	89.68	1	as ZYN20. 21.00–01.00.
ZYY3	4755	63.10	1	R. Brasil. 11.00–03.00.
ZYM8	4785	62.70	0.5	R. Ribamar 21.00–01.00.
ZYS8	4805	62.43	5	R. Difusora Amazonas. 10.00–17.00, 21.00 (Sun. 20.00)–03.00 (Sun. 02.00).
ZYE7	4825	62.18	0.5	as PRJ4. 14.00–16.00, 20.30-01.00.
ZYU8	4845	61.92	0.5	as ZYQ3. 20.55–02.00.
PRC5	4865	61.66	2	as PRC5. 21.00–01.30.
PRF6	4895	61.29	5	R. Baré. 21.00–02.00.
ZYZ20	4905	61.16	5	as ZYZ21. 24 hours a day.
	4935	60.80	1	as ZYB5 21.00–01.00.
ZYY9	4975	60.30	2.5	as PRJ9. 11.00–01.00.
ZYZ5	4985	60.19	0.5	as PRH3. 12.00–13.00, 15.00–18.00, 21.00–01.00.
ZYY2	4995	60.07	1	as ZYX9. 12.00–16.00, 18.00–22.00, 00.00–03.00..
ZYY20	4995	60.07	1	R. Difusora do Guapore. 12.00–13.30, 15.00–17.30. 21.30–02.30.
ZYP23	5045	59.46	5	R. Quitandinha. 11.00–15.00, 21.00–03.00.
PRK5	6000	50.00	5	as PRI3. 10.00–03.00.
PRA8	6015	49.88	10	as PRA8. 08.55–02.00.
PRB21	6055	49.55	10	as PRH7.
ZYK2	6085	49.30	16	as PRL6. 21.00–02.20.
ZYB7	6095	49.22	25	as PRF3. 13.00–03.00.
ZYN6	6105	49.14	5	as PRE9. 14.00–16.00, 19.00–21.00 (Mo. to Fri.), 21.00–02.00.
PRL9	6147	48.80	50	as PRE8. inactive.
PSL	7935	37.81	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRN9	9290	32.28	5	Difusora do Dept. Federal de Seguranca Publica. 12.00 -13.00, 19.00-20.30 (exc. Sat. 21.00–22.00, 22.30–02.00.
PRB22	9505	31.56	10	as PRB9.
ZYK3	9565	31.36	16	as PRL6. 09.55–17.00, 19.00 –02.20.
ZYC8	9610	31.22	25	as PRB7. 09.00–02.30
PRL7	9720	30.86	50	as PRE8. 09.00–04.10.
PRL4	9770	30.70	1	as PRA2. 09.00–12.00, 15.00–02.00.
PSH	10220	29.35	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRL8	11720	25.60	50	as PRE8. inactive.
ZYB8	11765	25.50	25	as PRG2. 13.00–03.00.
ZYK3	11825	25.37	16	as PRL6. inactive.
PRA8	11865	25.28	10	as PRA8. inactive.
PRL5	11950	25.10	10	as PRL4
PSF	14690	20.42	1.5	Agencia Nacional. 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRB23	15135	19.82	10	as PRB9.
ZYK2	15145	19.81	16	as PRL6. 09.55–19.00.
ZYB9	15155	19.80	25	as PRF3. 13.00–03.00.
ZYN7	15165	19.77	5	as PRE9. inactive
PRK9	15190	19.75	5	as PRI3. inactive.
ZYC9	15370	19.52	25	as PRG3. 10.00–03.30.
PRL9	17850	16.81	50	as PRE8. Occasionnally.

ZYC9/PRG3. *Address:* Av. Venezuela 43, 3° andar, Rio de Janeiro.
Leading Personality: Director, Mr. Guido Rossi.
Daily Programmes: On 1280, 15370 kc/s. (ZYC9 Radio Tamoio): 10.00–03.30. – *Announcement:* "PRG3, O Cacique do Ar, Radio Tupi do Rio de Janeiro, transmitindo simultaneamente com ZYC9, ondas curtas da Radio Tamoio".
Future-Plans: New short wave transmitter, on 6200 kc/s, 48.39 m, 100 kW, Radio Tupi in 1952. – *Verification* by QSL-card. Reports in Port., English, Spanish, French, Italian. IRC required.

ZYV30. *Address:* Caixa Postal 173, Uberlandia, Minas Gerais. – *Verification* by letter.

ZYK21/ZYK20. *Address:* Praca da Independencia 12, Recife, Pernambuco.
Leading Personalities: General Director, Mr. Joao Calmon. Programme Director, Mr. J. de Almeida Castro. *Announcement* in Portuguese: "Esta é a Rádio Tamandaré, estacao pernambucana da Rede Nacional de Emissoras Associadas". *Verification* by QSL-card. Reports in English, French, Spanish.

ZYR31/PRG8. *Address:* Rua 1° de Agosto 635, Bauru, Sao Paulo. *Verification* by letter.

3295/PRD8. *Address:* Avenida Rio Branco 173, 19° andar, Rio de Janeiro, Distrito Federal.
Leading Personalities: Director, Mr. Rubens Berardo da Cunha. Manager, Mr. Leonardo Gagliano Neto. – *Announcement* in Portuguese: "Ouvem a Emissora Continental, cem por centa esportiva e informativa".
Signature Tune: "Marcha Continental". – *Verification* by letter. Reports in Port. Spanish, English. – *Future-Plans:* 3395 kc/s transmitter medio 1952.

3225/ZYO7. *Address:* Rua Cardoso Vieira 36, Campina Grande, Paraiba. – *Verification* by QSL-card. IRC required.

ZYN22/ZYN20. *Address:* Rua Sete de Setembro 311, Salvador, Bahia.

ZYY3. *Address:* Caixa Postal 625, Campinas, Sao Paulo. *Verification* by letter.

ZYM8. *Address:* Caixa Postal 48, Sao Luiz, Maranhao.

ZYS8. *Address:* Rua Joaquim Sarmento 100, Manaus, Amazonas.

ZYE7/PRJ4. *Address:* Caixa Postal 31, Parnaiba, Piaui.
Leading Personalities: General Director, Mr. Acrisio de Paiva Furtado. Programme Director, Mr. Luiz de Franca Rego. – *Daily Programmes:* 14.00–16.00, 20.30–01.00. – *Signature Tune:* "PN The Mall". – *Verification* by letter. Reports in Port. and Spanish. IRC required.

ZYU8/ZYQ3. *Address:* Aerolino de Abreu 1157, Teresina, Piaui.

PRC5. *Address:* Edificio Bern, Belem, Parà. –
Leading Personalities: General Director, Dr. Edegar Proenca. – *Announcement:* "PRC5, Radio Clube do Pará, A Voz que fala e canta para a planicie". – *Interval-Signal:* Signature Tune: "Poem", by Feibich. – *Verification* by QSL-card. Reports in Port., Spanish and English.

Brazil

PRF6. *Address:* Av. Eduardo Ribeiro 586, Manaus, Amazonas.

ZYZ20/ZYZ21. *Address:* Caixa Postal 4543, Rio de Janeiro, Distrito Federal.
Leading Personalities: Directors, Mr. Cesar Ladeira and Voltaire Leuenroth.
Standard Time Service: Broadcasts short commercial advertisements, weather forecasts and give the exact time each minute in Portuguese. Time controlled and checked by the National Observatory. – *Verification* by letter. Reports in Port., English, Spanish or French. IRC required.

4935/**ZYB5.** *Address:* Av. Deodoro 245, Natal, Rio Grande do Norte. – *Verification* by QSL-card. IRC required.

ZYY9/PRJ9. *Address:* Edificio da Imprensa Oficial, Sao Luiz, Maranhao.

ZYZ5/PRH3. *Address:* Rua Barao do Melgaco 484, Cuiaba Mato Grosso.

ZYY2/ZYX9. *Address:* Av. Anhanguera 20, Goiania, Goias. – *Leading Personalities:* General Director, Mr. Francisco Pimenta Netto. Programme Director:Luiz Carlos Pimenta. – *Announcement* in Portuguese: "Ouvem a Radio Brasil Central". – *Interval-Signal:* Signature Tune: 15-minute Big-Ben strikes. – *Verification* by letter. Reports in Port., English, French, Spanish, Italian.

ZYY20. *Address:* Casa do Radio, Porto Velho, Territorio Federal do Guaporé.
Leading Personalities: President, Dr. Moacyr de Miranda. Programme Director, Mr. Dilu Oliver. *Announcement:* "Radio Difusora do Guapore, a Voz do rio Madeira". *Interval-Signal:* 3-note gong. – *Verification* by letter/QSL-card. IRC required. Reports in Port., English, Spanish, French, Italian.

ZYP23. *Address:* Av. Rio Branco 311, 9°. andar, Rio de Janeiro, Distrito Federal. –
Daily Programmes: Football Games: Some Sat. Sun. 18.00–20.00. News: 00.05. Dance Music: 01.00–03.00. *Announcements:* In Portuguese: "ZYP23, Radio Quitandinha, a Voz do Coracao do Brasil para todo o Mundo". In English: "You are tuned to ZYP23, Radio Quitandinha, The Voice of Brazil's Heart speaking to the World on 5045 mc/s on your dial". – *Interval-Signal:* Gongs. Signature Tune: "Aquarelas no Brasil", by Ary Barroso, played by Morton Gould and his Orchestra. – *Verification* by QSL-card. Reports in Port., English, Spanish and Swedish. IRC required. – *Future-Plan:* 5 kW m.w.

PRK5, 9/PRI3. *Address:* Caixa Postal 1027, Belo Horizonte, Minas Gerais.
Leading Personality: General Director, Mr. Ramos de Carvalho. – *Announcement* in Portuguese: "PRI3 e PRK5, emissoras da Radio Inconfidencia de Minas Gerais, de Belo Horizonte". – *Verification* by QSL-card. Reports in Port., English, French, Spanish and Swedish. IRC required.

PRA8. *Address:* Av. Cruz Cabuga 394, Recife.
Leading Personalities: General Director, Mr. Arnaldo Moreira Pinto. Programme Director, Mr. Ferreira. – *Announcement:* "PRA8, Radio Clube de Pernambuco". – *Interval-Signal:* 4-stroke gong. – *Verification* by letter and QSL-card, Reports in Port., Spanish, French, English, German. – *Future-Plan:* M.w. transmitter to be encreased to 50 kW and s.w. to 25 kW early 1952.

PRB21, 20, 22, 23/PRH7. *Address:* Rua Quintino Bocaiuva 22, Sao Paulo.
PRB21 and PRH7 in parallel. An English broadcast on PRB23 to USA is planned. – *Verification* by QSL-card.

ZYK2/ZYK3/PRL6. *Address:* Rua Marques do Recife, Recife, Pernambuco. –
Leading Personalities: General Director, Dr. Francisco Pessoa de Queiroz. Programme Director, Dr. Theophilo de Barros Filho. Announcer in English: Dr. Janet Slater Swaton. – *Daily Programmes:* In **English:** Brazil Calling, daily on 9565 kc/s at 01.05–01.30, exc. Sun.: 21.25–21.55. – *News:* in Portuguese 10.00, 11,00, 15,30, 16.00, 21,00, 22.25, 01.30, 02.00.
Announcements: In Portuguese: "Pernambuco falando para o mundo, Estas sao as emissoras do Radio Jornal do Commercio, de Recife, Pernambuco, Brasil". In English: "Pernambuco speaking to the world". – *Interval-Signals:* Electric gong. Some bars of the Pernambuco Anthem. Signature Tune: Folklore songs. – *Verification* by QSL-card. Reports in any language. IRC required. – "Brazil calling" is a monthly news magazine in English, to be sent free by request to address: Brazil Calling, Caixa Postal 1082, Recife, Pernambuco, Brazil.

ZYB7, 8, 9/PRF3, PRG2. *Address:* Rua 7 de Abril 230, 6° andar, Sao Paulo. – *Leading Personalities:* General Director, Mr. Edmundo Monteiro. Programme Director, Mr. Dermival Costalima.
Daily Programmes: ZYB7 and ZYB9, relay Radio Difusora Sao Paulo. ZYB8 relays Radio Tupi Sao Paulo. In Swedish on 11765 kc/s. Thurs. at 21.00–21.30. – *Announcement:* "Radio Difusora Sao Paulo, em ondas curtas e longas, falando de seus estudios do Sumare, Cidade do Radio, Sao Paulo, Brasil". – *Verification* by QSL-card. Reports in Port., Spanish, English.

ZYN6, 7/PRE9. *Address:* Caixa Postal 222, Fortaleza. *Announcement:* "Ceara Radio Clube, por suas emissoras de ondas curtas e medias". – *Verification* by letter. Reports in Port., English, Spanish, French. – *Future-Plans:* The International Program will soon start on ZYN7, 19.00–21.00. Announcement in Spanish, French, English.

PRL7, 8, 9/PRE8. *Address:* Praca Maua 7, 20° andar, Rio de Janeiro, Distrito Federal.
Leading Personalities: General Director, Mr. Victor Costa. Programme Director, Mr. Sergio Vasconcelos.
Daily Programmes: On 9720 kc/s: In Portuguese 09.00–11.05 relay PRE8. 11.05–13.00 (Fri. 12.30) special programme. 13.00(Fri. 12.30)–19.30 relay PRE8. 20.00–04.10 relay PRE8 (Sat. Sun. 09.00–04.10 relay PRE8). In Spanish: 19.30–20.00 Mo. to Fri. – *News* in Portuguese: 11.00, 15,55, 20,00, 23,25, 01.55, 02.00, 04.00. Dance Music: 02.30–03.45. – *Announcements:* In Portuguese: "Emissoras Brasileiras da Radio Nacional do Rio de Janeiro". In English (exc. Tues.) at 02.30: "Good Evening ladies and gentlemen. This is Radio Nacional, The Voice of Brazil, coming to you directly from the Midnight Room of the Copabana Palace Hotel in Rio de Janeiro". – *Signature Tune:* "Luar do Sertao", by Catulo Cearense, played on vibraphone. – *Verification* by QSL-card or letter. Reports in Port., English, Spanish. *Future plans:* S.w. transmitter on 6147 kc/s (PRL9) 50 kW at the end of 1952, in parallel with m.w. and PRL7 (9720 kc/s).

PSF/PSH/PSL. *Address:* Ministerio da Justica e Negocios Interiores, Agencia Nacional, Av. Presidente Wilson 164, 8° andar, Rio de Janeiro, Distrito Federal.
Daily Programmes: exc. Sun.: In Portuguese: 12.00–13.00. News Bulletin (relayed by PRN9, 9290 kc/s). 18.00–19.00.

News Bulletin (relayed by PRL4, 9770 kc/s). 21.00–22.00. News Bulletin (relayed by PRN9, 9290 kc/s). 22.15–22.30, Music". 22.30–23.00 "A Voz do Brasil (relayed by all Brazilian m.w. and s.w. stations. Consists of news bulletins, music, talks etc. Produced by Agencia Nacional.

ZYC8, 9/PRB7. *Address:* Av. Venezuela 43, 2° andar, Rio de Janeiro, Distrito Federal.

Daily Programmes: on 900 kc/s, 9610 kc/s: 09.00–04.00. (Sun. till 03.00). ZYC8 on 9610 kc/s closes at 02.30. *Announcement:* "PRB7 e ZYC8, Radio Tamoio do Rio de Janeiro, a Emissora da Familia Brasiliera". – *Verification* by QSL-card. Reports in Port., English, Spanish. IRC required.

PRN9. *Address:* Rua da Relacao s/n, Rio de Janeiro. *Leading Personality:* Director, Mr. Manuel Coardso. – *Daily Programmes:* 12.00–13.00 and 21.00–22.00 exc. Sun. in parallel with PSL, PSH and PSF, with news broadcast (see Agencia Nacional). 19.00–19.30 and 20.00–20.30 exc. Sat. Sun. talks, news and music. 23.00–02.00 exc. Sun. with news, music, talks, etc. 22.30–23.00 exc. Sun. with "Agencia Nacional" progr.: "A Voz do Brazil" relayed by all Brazilian stations. – In Spanish: 19.30–20.00 in parallel with Radio Nacional on 9720 kc/s (exc. Sat. Sun.). – *Announcement:* "PRN9, Difusora do Departamento Federal de Seguranca Publica". – *Verification* by letter. Reports in any language.

PRL 4, 5/PRA2 (Cultural). *Address:* Servicio de Radio Difusao Educativa, Praca da Republica 141-A, 3° andar, Rio de Janeiro, Distrito Federal.

Leading Personalities: Director, Dr. Carlos Rizzini. Programme Director, Mr. Rene Cave. – *Daily Programmes:* 09.50–12.00, 15.00–18.00 on 9770 kc/s relay PRA2. 18.00–19.00 on 9770 kc/s relay "Agencia Nacional" (exc. Sun.). 19.00–02.00 relay PRA2.

Verification by letter. Reports Port., English, French, Spanish, Swedish.

CHILE

STATIONS:

Hours of transmission for all stations: 11.00–04.00.

Medium Waves:

	kc/s	m	kW	
CC59	590	508	2.5	R. Condor.
CB57	570	526	15	Soc. Nac. Agricultura.
CB63	630	477	1	R. Presidente Prieto.
CD63	630	477	1	R. Sur.
CB73	730	410	10	R. La Coop. Vitalicia.
CB76	760	349	75	R. La Coop Vitalicia.
CD89	890	337	1	R. Polar.
CA90	900	333	1	R. Libertad.
CB93	930	322	10	R. Nuevo Mundo.
CB101	1010	297	1	R. Yungay.
CD101	1010	297	1	R. Llanquihue.
CD103	1030	291	2.5	R. Cautin.
CB106	1060	283	10	Soc. Nac. de Mineria.
CB114	1140	263	50	R. Corporation.
CD121	1210	248	10	Soc Nac. Agricultura.
CA127	1270	236	0.25	R. Emisora Norte.
CB130	1300	230	1	R. La Americana.
CB138	1380	217	15	R. El Mercurio.

Short Waves:

CE8AA*	5750	52.18	1	Soc. Nac. de Agricultura.
CE601	6010	49.92	0.25	Emisoras Norte.
CE604	6045	49.63	0.25	R. Libertad.
CE615	6150	48.78	5	R. La Coop. Vitalicia.
CE619	6190	48.47	1	R. Corporation.
CE622	6220	48.23	5	Soc. Nac. de Mineria.
CEZ7C	7660	39.16	1	R. Yungay.
CE960	9600	31.25	1	R. La Americana.
CE970	9700	30.93	1	R. La Coop. Vitalicia.
CE1174	11740	25.55	1	R. Nuevo Mundo.
CE1180	11800	25.42	1	Soc. Nac. Agricultura.
CE1185	11850	25.32	1	R. El Mercurio.
CE1190	11900	25.21	5	R. La Coop. Vitalicia.
CE1515	15150	19.80	1	R. Corporacion.

*) Experimental.

COMPANIA CHILENA DE COMUNICACIONES S.A.

Leading Personality: General Manager, Sr. L. F. Baltra.

CE970/CB76. *Address:* Casilla 13130, Santiago de Chile.

CE615, 1190/CB73. *Address:* Casilla 37-V, Valparaiso.

CE601, 980/CA127. *Address:* Casilla 556, Antofagasta.

CB63. *Address:* Casilla 37-V, Valparaiso.

CC59. *Address:* Casilla 486, Concepcion.

CD63. *Address:* Casilla 60-D, Valdivia.

CD89. *Address:* Casilla 25, Punta Arenas.

CD101. *Address:* Casilla 356, Punto Montt.

CD103. *Address:* Casilla 169, Temuco.

Interval-Signal: Si-bemol-la-si-bemol-do-sol-fa. – *Signature Tune:* March: "Pampa y Circumstancia" by Elgar. – *Announcement:* R. La Cooperativa Vitalicia: "La Voz de Chilipara Toda America". – *Verification* by QSL-card.

Verification by QSL-card.

SOC. CHILENA RADIODIFUSORAS S.A.

CE622, 1173/CB106. *Address:* Casilla 2626, Santiago. *Verification* by QSL-card.

CE1174/CB93. *Address:* Alameda 924 piso 7°, Santiago.

CEZ7C/CB101. *Address:* Huérfanos 930, Santiago.

CE960/CB130. *Address:* Nueva York 53 piso 7°, Santiago. *Interval-Signal:* Notes from the melody "Los Copihues Rojos". – *Verification* by QSL-card.

CE1185/CB138. *Address:* Plaza Bulnes 47 piso 8°, Santiago.

CE619,1515/CB114. *Address:* Corporación Chilena de Broadcasting y Television S.A., Huérfanos 1248, Santiago.

CE604/CA90. *Address:* Casilla 457, Autofagasta.

RADIO SOC NAC. DE AGRICULTURA

CE8AA/CE 1180/CB57. *Address:* Casilla 40-D, Santiago.

CD121. *Address:* Casilla 327, Los Angeles.

COLOMBIA

All stations commercial, exc. Radio Nacional.

Stations: *Medium Waves:*

	kc/s	m	kW	
HJCZ	710	422	10	as HJCX
HJAN	730	411	10	as HJAB
HJDK	770	389	10	as HJDE
HJKC	830	361	10	as HJKD
HJCE	860	349	10	as HJCF
HJCI	890	337	10	as HJCH
HJCS	920	326	1	as HJKE
HJAF	930	322	10	as HJAE
HJKL	950	316	10	as HJKJ
HJDB	980	306	10	as HJDW
HJFJ	1050	286	1	as HJFW
HJAH	1050	286	1	as HJAG
HJFM	1080	278	1	as HJFC
HJFB	1120	268	1	as HJFD
HJCE	1130	265	1	as HJGF
HJEB	1150	261	1	as HJED

Ecuador

HJCO	1160	258	1	as HJCW
HJCR	1200	250	5	as HJCT
HJEL	1210	248	5	as HJEF
HJFG	1250	240	1	as HJFU
HJBC	1270	236	1	as HJBB
HJFE	1330	225	1	as HJFA
HJBF	1350	222	1	as HJBG
HJER	1370	219	1	as HJEX
HJAR	1400	214	1	as HJAP

Short Waves:

	kc/s	m	kW	
HJEF	4765	62.96	3	Radiodifusora de Occidente.
HJAB	4785	62.70	1	Emisoras Unidas. 11.00–04.00.
HJFU	4795	62.57	1	La Voz del Comercio. 13.00–04.00.
HJDU	4805	62.43	0.5	University of Antioquia 16.30–19.00, 23.00–03.00.
HJBB	4815	62.31	3	La Voz de Cucuta. 12.00–04.00.
HJED	4825	62.18	1	La Voz del Valle, 13.00–03.00.
HJKE	4835	62.05	1	R. Continental. 13.00–02.30.
HJGF	4845	61.92	1	R. Bucaramanga. 13.00–19.00, 21.30–04.00.
HJFA	4865	61.66	1	La Voz de Pereira. 13.00–03.30.
HJBG	4875	61.54	2.5	La Voz del Norte. 13.00–04.00.
HJCH	4895	61.29	2	La Voz de la Victor. 13.00–04.00.
HJAG	4905	61.16	1	Emisora Atlantico. 13.00–04.00.
HJAP	4925	60.91	1	R. Colonial. 12.30–19.00, 22.00–04.00.
HJCW	4945	60.66	0,75	Emisora Suramerica. 12.00–16.15, 21.00–04.00.
HJCQ	4955	60.55	1	Radiodifusora Nacional. 13.00–19.00, 22.00–04.15.
HJAE	4965	60.42	1	Emisora Fuentes. 12.00–03.00
HJFW	5020	59.76	1	Transmissora Manizales. 13.00–04.00.
HJDW	5050	59.41	5	La Voz de Medellin. 13.00–04.00.
HJCF	5960	50.34	1	La Voz de Bogota. 12.00–02.00.
HJKD	6000	50.00	10	Emisora Nuevo Mundo. 13.00–04.00.
HJFC	6010	49.92	1	La Voz de Armenia. 13.00–04.00.
HJCX	6020	49.83	5	La Voz de Colombia. 13.00–04.00.
HJEX	6055	49.55	5	R. Pacifico. 12.00–03.30.
HJFK	6095	49.22	2.5	La Voz Amiga. 13.00–03.00.
HJFR	6105	49.14	5	R. Manizales. 11.30–04.00.
HJDE	6145	48.82	5	La Voz de Antioquia. 13.00–04.00.
HJKJ	6160	48.70	10	Emisora Nueva Granada. 12.00–04.00.
HJCT	6200	48.39	10	Radiodifusora Nacional.
HJKF	9520	31.51	10	Emisora Nuevo Mundo.
HJCQ	11680	25.68	3	Radiodifusora Nacional.

HJEF/HJEL. *Address:* Cia Radiodifusora de Occidente, Cali.
HJAB/HJAN. *Address:* La Voz del Comercio, Armenia.
HJFU/HJFG. *Address:* P.O.Box 324, Barranquilla. *Cable:* "Emisunidas". *Leading Personality:* Director, Mr. Rafael Roncallo V.
HJBB/HJBC. *Address:* La Voz de Cucuta, Cucuta.
HJED/HJEB. *Address:* Calle 11 No. 4–52, Cali.
HJKE/HJCS. *Address:* Radiodifusion Colombiana S.A. Bogota.
HJGF/HJCE. *Address:* Apartado 312, Bogota. *Verification* by QSL-letter.
HJFA/HJFE. *Address:* R. Cadena Nacional, Pereira.
HJBG/HJBF. *Address:* La Voz del Norte, Cucuta.
HJCH/HJCI. *Address:* Apartado 565, Bogota.
HJAG/HJAH. *Address:* Emisora Atlantico Ltda. Barranquilla.
HJAP/HJAR. *Address:* Calle del Porvenir, Cartagena.
HJCW/HJCO. *Address:* Correo 8 a No. 11-57, Bogota.
HJCT/HJCQ/HJCR. *Address:* Ministerio de Education, Bogota. *Verification* by QSL-card.
HJAE/HJAF. *Address:* P.O. Box 31, Cartagena.
HJDW/HJDB. *Address:* R. Cadena Nacional, Medellin.
HJKD/HJKF/HJKC. *Address:* Emisora Nuevo Mundo, Ltda., Bogota.
HJFC/HJFM. *Address:* Voz de Armenia, Armenia.
HJCX/HJCZ. *Address:* Apartados Postal No. 2665, Bogota.
HJEX/HJER. *Address:* Apartado Nacional 559, Cali. *Verification* by QSL-card.
HJFK. *Address:* La Voz Amiga, Pereira. *Verification* by QSL-letter.
HJDE/HJDK. *Address:* Cia Colombiana de Radiodifusora Maracaibo 46-80, Medellin. *Verification* by QSL-card.
HJKJ/HJKL. *Address:* R. Cadena Nacional, Bogota.
HJGF/HJCE. *Address:* Radio Bucaramanga, Bucaramanga.

ECUADOR

STATIONS:

Medium Waves:

HCJB	700	1	as	HCJB
HCAK2	1050	1	as	HCAJ2
HCBA1	1111	0.2	as	HCBF1
HCFB2	1140	0.2	as	HCFB2
HCET2	1150	0.2	as	HCGI2
HCBJ2	1220	0.2	as	HCBK2
HCFO1	1240	0.2	as	HCPM1
HCBT6	1250	0.2	as	HCBF6
HCAB1	1280	0.2	as	HCAC1
HCFL2	1400	0.3	as	HCFQ2
HCMJ1	1410	0.2	as	HCMI1
HCRX1	1430	0.2	as	HCRC1

Short Waves:

Cultural stations: The Voice of the Andes.

HCJB	5995	50.04	10	11.00–14.00, 17.00–19.30, 22.00–04.00.
HCJB	9970	30.08	10	12.30–14.00, 17.00–19.30, 22.30–02.00.
HCJB	12455	24.10	10	12.30–14.00, 23.30–02.00.
HCJB	15115	19.85	10	11.00–14.00, 17.30–19.30, 23.30–02.00.
HCJB	17890	16.77	10	17.30–19.30.

Commercial Stations:

HCFX5	2830	106.0	0.25	R. Cuenca.
HCAO5	4200	71.50	0.25	La Voz del Tomebamba 16.30–19.00, 23.00–03.30.
HCFF4	4580	65.59	0.3	La Voz de Esmeraldas 01.00–04.00.
HCAJ2	4655	64.80	1	Radiodifusora del Ecuador 12.00–19.00, 23.00–04.00.
HCGI2	4700	63.83	0.25	R. El Telegrafo 12.00–03.30.
HCBT6	4705	63.62	0.25	Voz del Tungurahua 23.00–04.00.
HCBK2	4710	63.69	0.25	R. El Mundo.
HCAS4	4730	63.50	0.25	La Voz de los Caras.
HCBF1	4750	63.16	0.30	R. Comercial 01.30–03.30.

HCFA4	4760	63.03	0.25	La Voz de Manabi 01.00–03.30.
HCGB5	4770	62.87	0.25	R. Cordillera.
HCPM1	4780	62.76	0.25	R. El Palomar 23.00–04.00.
HCHV4	4800	62.50	0.3	Voz de Jipijapa.
HCFV6	4830	62.11	0.2	Ondas del Cotopaxi.
HCMI1	4840	61.98	0.25	R. Gran Colombia.
HCCV3	4850	61.86	0.25	Ondas del Zamora.
HCIM1	4900	61.23	0.25	La Voz de Imbabura.
HCAR1	4910	61.10	0.2	Voz de Montufar.
HCLR5	4915	61.04	0.3	Voz de Alausi.
HCRC1	4930	61.90	1	R. Casa de la Cultura.
HCHP5	4960	60.48	0.25	Ondas Ecuatorianas 02.00–04.00.
HCJC5	4980	60.24	0.25	Ondas Azuayas.
HCCD3	4990	60.12	0.4	Ondas Castellanas.
HCBL5	5025	59.70	0.2	R. Alborada 16.30–04.00.
HCGY6	5990	50.08	0.8	R. Luz. 15.00–18.00, 19.00–22.00.
HCEB4	6015	49.88	0.25	R. Manta 16.30–18.00, 23.30–04.00.
HCAC1	6060	49.50	0.25	La Voz de la Democracia 17.00–21.00, 23.00–04.00.
HCFQ2	6065	49.46	0.3	R. Continental 16.45–04.00.
HCFB2	6130	48.94	0.25	R. Nal. Condor 00.00–05.00.
HCFM1	6185	48.50	0.25	R. Equinoccial 22.00–03.30.
HCLT2	6220	48.23	0.3	Radiodifusora Costa Azul.
HCRL2	6400	46.86	0.2	R. Quinta Piedad.
HCAN2	7350	40.81	0.2	Radio Cenit 13.00–04.30.
HCFW2	11805		0.3	R. Continental 16.45–04.00.

THE VOICE OF THE ANDES

HCJB – THE VOICE OF THE ANDES.

International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, P.O. Box 390, Flushing, New York, U.S.A.

Address: Radio Station HCJB, Casilla 691, Quito. *Cable:* "Vozandes".

Leading Personalities: Directors, Mr. Reuben E. Larson. Mr. Clarence W. Jones. Mr. D. Stuart Clark. Station Manager, Mr. F. J. Cruz.

Stations: HCJB "La Voz de los Andes" (The Voice of the Andes).

DAILY PROGRAMMES: *Daily* exc. Mo. 11.00–14.00, 16.00–06.00 in 19 different languages.

English:
11.30–12.30 in 30,24 m. b. – 19.30–20.30 in 19,16 m. b. 22.00–23.00 in 16, 19,24 m. b.
02.00–05.30 in 19, 30, 24 m. b. – (after 4.00 also in 49 m. b.).

Spanish:
11.00–12.30 in 19, 49, 428 m. b. – 12.30–14.00 in 19, 24, 30, 49, 428 m. b. – 17.00–17.30 in 30, 49, 428 m. b. – 17.30–19.30 in 16, 19, 30 ,49, 428 m. b. – 22.00–23.30 in 49, 428 m. b. – 23.30–02.00 in 19, 24, 30, 49, 428 m. b. – 02.00–04.00 in 49, 428 m. b.

Swedish: 20.30–21.00 in 16, 19 m. b.

French: 21.00–21.30 in 16, 19 m. b.

German: 21.30–22.00 in 16, 19, 24 m. b.

Yiddish: 23.00–23.30 in 19, 24, 30 m. b.

Quechua: 16.30–17.00 Thurs. 13.30–14.00, Sun. 19.00–19.30 Sat. in 49, 428 m. b.

Announcement: "You are tuned to the Voice of the Andes, International Missionary Station HCJB located at Quito, Ecuador, South America".

Interval-Signal: Time Signal each half hour consisting of three short tones followed by a long tone (V=....–) long dash indicating hour or half hour.

HCFX5 – *Address:* Pdre. Aguirre 104 Cuenca.

HCAO5 – *Address:* Apartado 23, Cuenca.

HCFF4 – *Address:* La Voz de Esmeraldas, Palacio Municipal, Esmeraldas.

HCAJ2/HCAK2 – *Address:* Compania Radiodifusora del Ecuador, Guayaquil.

HCBT6 – *Address:* Juan B. Vela y Lalama, Ambato.

HCGI2/HCET2 – *Address:* 10 de Agosto 601, Guayaquil.

HCBK2/HCBJ2 – *Address:* 9 de Octubre 308, Guayaquil.

HCAS4 – *Address:* Sucre 1922, Bolivar.

HCBF1/HCBD1 – *Address:* Benalcaza 753, Quito.

HCFA4 – *Address:* Avenida 18 de Octubre 113, Porto, viejo, Manabi.

HCGB5 – *Address:* R. Cordillera, Velos 43, Riobamba.

HCPM1/HCFO1 – *Address:* Colon 1060 Palmoar

HCMI1/HCMJ1 – *Address:* Gquil 1524, Quito.

HCHV4 – *Address:* Voz de Jipijapa, Jipijapa.

HCFV6 – *Address:* Sanchez de Orellana, Latacunga.

HCCV3 – *Address:* 24 de Mayo, Loja.

HCIM1 – *Address:* La Voz de Imbabura, Palacio Municipal, Ibarra.

HCRC1/HCRX1 – *Address:* Av. 6 de Diciembre 332, Quito.

HCAR1 – *Address:* Voz de Montufar, S. Gabriel.

HCLR5 – *Address:* Juan B. Vela, Alausi.

HCHP5 – *Address:* 5 de Janeio. Riobamba.

HCJC5 – *Address:* Gran Colombia 260, Cuenca.

HCCD3 – *Address:* Bolivar 391, Loja.

HCBL5 – *Address:* Pdre. Aguirre 161, Cuenca.

HCGY6 – *Address:* Antena del Folklore Ecuatoriano, Apartado Postal 240, Calle Quito 418, Ambato.

HCEB4 – *Address:* Apartado 69, Manta.

HCAC1/HCAB1 – *Address:* Calle Caldas 501, Apartado, 388, Oriente, Quito.

HCFB2 – Radio Nacional, De el Condor, Casilla 3345, Guayaquil.

HCFM1 – *Address:* Radio Equinoccial, Ibarra.

HCLT2 – *Address:* Radiodifusora Costa Azul, Salinas.

HCRL2 – *Address:* Tomas Martinez 209, Guayaquil.

HCAN2 – *Address:* Boulev. 9de Octubre 608, Guayaquil.

Leading Personalities: Director General, Mr. J. C. D. Depeola. Director Gr., W. D. Cepeda. *News:* 11.30-13.00, 23.30–23.45, 04.00–04.15. – *Folklore Music:* 01.00–04.00 Tues. Fri. – "*La Hora del Hogar*": D. 14.00–14.30.

Announcement: HCDC2.... on da larga 1300 kc/s, HCAN2.... on da corta 7350 kc/s. – *Signature Tune:* Serenator china.

HCFW2, HCFQ2/HCFL2 – *Address:* Colon 520, Guayaquil. – **Verification** by QSL-card or letter.

GUIANA (British)

Address: B. G. United Broadcasting Company Ltd., 30-32 New North Road, Bourda, Georgestown.

Stations: ZFY. 1230 kc/s 244 m 0.5 kW. – 5981 kc/s 2 kW.

Daily Programmes: in *English:* 10.15 (Sun. 10.45)–16.45, 19.45–01.45. Relay BBC News at 23.00.

Announcement: This is Radio Demerara, station ZFY, Georgestown, British Guiana".

Interval-Signal: Vibraharp modulations.

Verification by QSL-card. Return postage required.

PARAGUAY

All stations commercial exc. ZPA1. Language: Spanish.

Stations:	kc/s	m	kW		kc/s	m	kW
ZPA1	6275	47.81	2	ZPA4	9735	30.82	1
ZPA3	11850	25.32	1.2	ZPA5	11945	25.12	2.5

ZPA1 – RADIO NACIONAL
Address: Coronel Martinez 224, Asuncion.
Daily Programmes: 15.00–17.00, 22.30–02.30. – **Verification** by QSL-card or letter.
ZPA3 – RADIO TELECO. Address: Calle Azara 56, Asuncion. – **Daily Programmes:** 11.35–18.05. 22.00–02.05. **Verification** by QSL card.
ZPA4 – RADIO STENTOR
Address: Indenpendencia Nacional 703, Asuncion. – **Daily Programmes:** 22.30–03.00.
ZPA5 – RADIO ENCARNACION
Address: Compania Paraguaya de Radiodifusion, Encarnacion. – **Daily Programs:** ZPA5 *Spanish* 11.00–02.05. **Verification** by QSL card.

PERU

All stations commercial exc Radio Nacional.

Stations:	kc/s	m	kW	
OAX-4A	854	351	15	R. Nacional del Peru 12.00–14.00, 16.00–05.00.
OBX-4A	1200	250	15	R. Nacional del Peru 12.00–14.00, 16.00–05.00.
OAX-4S	5965	50.28	1	R. San Christobal 12.30–05.00.
OAX-4P	5984	50.14	0.25	La Voz del Centro del Peru 16.00–19.00, 23.00–05.00.
OAX-2A	6000	50.00	0.75	R. El Palomar 23.30–04.30.
OAX-4V	6010	49.92	0.5	R. America 13.00–05.00 (Sat. 06.00).
OAX-4Q	6011	49.91	1	R. Victoria 12.30–05.00 (Sat. 06.00).
OAX-6B	6035	49.71	0.25	R. Landa 13.00–05.00.
OAX-6A	6042	49.65	0.25	R. Arequipa 23.00–04.00.
OAX-4Z	6082	49.32	15	R. Nacional del Peru. 12.00–05.00.
OAX-4H	6095	49.22	1	R. Mundial 12.30–05.00
OAX-7A	6128	48.96	0.25	R. Cuzco 16.00–19.00, 23.00–04.00.
OAX-4B	6170	48.62	0.35	R. Azul 12.00–05.00.
OAX-5E	6170	48.62	0.30	R. Chinca 23.00–04.30.
OAX-4G	6190	48.47	0.25	R. Lima 12.00–05.00.
OAX-1B	6198	48.40	0.40	R. Piura 12.00–04.30.
OAX-4H	6307	47.50	1	R. Mundial 12.30–05.00 (Sat. 06.00).
OAX-4L	6330	47.39	1	R. Miraflores 13.00–05.00.
OAX-6E	6335	47.37	1	R. Continental 12.30–05.00.
OAX-4C	6564	45.70	0.20	La Voz del Primer Puerto del Peru 16.00–04.00.
OAX-1A	6701	44.78	0.25	R. Delcar 16.00–19.00, 23.00–05.00.
OAX-4J	9330	32.15	1	R. Colonial 16.00–17.30, 01.00–03.30.
OAX-6H	9500	31.58	0.1	R. Tacna 23.00–04.00.
OAX-4W	9510	31.55	0.5	R. America 13.00–05.00.
OAX-4K	9545	31.43	0.50	R. Central 12.30–05.00.
OAX-5C	9560	31.38	0.30	R. Libertad 16.30–19.00, 22.30–05.00.
OAX-4T	9562	31.37	50	R. Nacional del Peru 12.00–14.00, 16.00–05.00.
OBX-4R	11914	25.17	10	R. Nacional del Peru 12.00–14.00, 16.00–05.00.
OAX-4R	15150	19.80	50	R. Nacional del Peru 12.00–14.00, 16.00–05.00.
OBX-4T	21600	13.89	1	R. Nacional del Peru 12.00–14.00, 16.00–05.00.

OAX–4S – Address: R. San Christobal, Lima.
OAX–4P – Address: R. Huancayo, Apartado 187, Huancayo. – **Verification** by QSL-card.
OAX–2A – Address: R. El Palomar, Trujillo.
OAX–4V, – 4W – Address: Ocona 476, Lima.
OAX–4Q – Address: Edificio Mineria 508, Lima.
OAX–6B – Address: Calle Sucre 409, Arequipa. **Verification** by QSL-card.
OAX–4A, OBX-4A/OAX-4Z, OBX-4R, OAX-4R, OAX-4T.
OAX–6A – Address: Palacio Viejo 106, Arequipa.
OBX4–T – Address: Av. Petit Thours 441, Lima.
OAX–4B, 4H – Address: Av. Uruguay 355, Lima.
OAX–7A – Address: Montes 43, Cusco.
OAX–5E – Address: Canepa, Los Angeles, Chincha.
OAX–4G – Address: R. Lima, Lima.
OAX–1B – Address: R. Piura, Piura.
OAX–4L – Address: Pardo 769, Lima.
OAX–6E – Address: Rivero 103, Arequipa.
OAX–4C – Address: Saenz Pena 151, Callao.
OAX–1A – Address: Casilla 109, Chiclayo.
OAX–4J – Address: Apartado 1166, Lima.
OAX–6H – Address: Amceto Ibarra 436, Tacna.
OAX–4K – Address: Union 1038, Lima.
OAX–5C – Address: Loreto 524, Ica.

SURINAM (DUTCH GUIANA)

Address: Algemeene Vereeniging Radio Omroep Surinam, (Commercial). Paramaribo.
Stations:

PZH5	5752 kc/s	52.11 m	0.35 kW
PZC	15400 –	19.48 –	5 –

Daily Programs in Dutch:
PZH5 *Weekdays* 13.10–15.40, 20.10–01.40 (Sun. 11.40–16.40, 19.40–02.00). *News:* W.: 15.30, 23.20, Sun. 23.40 Caribbean News. **Verification** by QSL cards.

URUGUAY

Stations:

CX6	650	462	25	R. SODRE 21.00–03.00.
CX10	730	411	5	R. Ariel 10.00–03.00.
CX12	770	390	25	R. Oriental 11.00–02.00
CX14	810	370	15	R. El Espectador 11.00–03.00.
CX16	850	355	50	R. Carve 11.30–03.00.
CX26	1050	286	5	Servicio de Informacion y Prensa 14.00–17.00, 20.30–24.00.
CX30	1130	265	5	R. Nacional 15.00–17.00, 20.00–01.00.
CX32	1170	256	5	R. de Montevideo 11.00–03.00.
CX38	1290	232	5	R. SODRE 12.00–03.00.
CX40	1330	225	0.5	R. Fenix 10.00–05.00.

Short Waves:

	kc/s	m	kW	
CXW	3240	92.59	1	R. El Espectador 23.15–00.45.
CXA2	6000	50.00	5	R. Montevideo 10.00–03.00
CXA30	6035	49.71	1	R. Nacional 10.00–03.00.

CXA14	6055	49.55	5	Servicio de Informacion y Prensa 14.00–17.00, 20.30–24.00.
CXA3	6075	49.38	2.5	R. Ariel 10.00–03.00.
CXA4	6125	48.98	10	SODRE 21.00–03.00.
CXA13	6155	48.74	10	R. Carve 11.00–03.00.
CXA21	6170	48.62	1	R. Fenix 10.00–05.00.
CXA6	9620	31.19	20	SODRE 21.00–03.00.
CXA8	9640	31.12	3	R. Real de S. Carlos 15.00–17.00, 20.00–01.00.
CXA7	11735	25.56	5	R. Oriental 11.00–02.00
CXA19	11835	25.35	5	R. El Espectador 11.00–03.00.
CXA10	11900	25.21	20	SODRE 23.30 (Sun. 00.30)–03.00.
CXA18	15300	19.60	20	SODRE.

CXW, CXA19/CX14 – *Address:* Difusoras del Uruguay, Av. 18 de Juillet 1393, Montevideo. *Cable:* Difuruguay. *Leading Personality:* Director, B. Alfaro. *Daily Programmes:* In *French* Sat. only 16.30–16.45, In *Polish* Sun. only 22.15–22.30. *News:* 11.05, 12.55, 13.55, 14.15, 15.00, 16.55, 17.55, 18.55, 19.55, 20.45, 21.55, 00.55, 02.30. *Announcement:* "El Espectador, Montevideo, Uruguay". *Interval-Signal:* Melody played on Novachord. *Verification* by QSL-card. Reports in Spanish, Portuguese, French or English. IRC appreciated but not required.

CXA2/CX32 – *Address:* Compania Uruguaya de Publicidad. S.A., Av. 18 de Julio 1194. Montevideo. – *News:* From BBC London 23.00, 02.00.

CXA30/CX30 – *Address:* Av. 18 de Julio 1764, Montevideo. – *Leading Personality:* Director General Mr. C. S. Rijo. – *News:* 10.30 and every half hour. – *Verification* by QSL-card.

CXA14/CX26 – *Address:* Servicio de Informacion y Prensa Montevideo.

CXA3/CX10 – *Address:* 18 de Julio 1460, Montevideo. *Leading Personality:* Director General, Mr. Juan U. Pierri. *News:* 10.00, 10.30 (Press Review), 13.00, 14.00, 16.00, 19.00, 21.00, 23.15.

CXA4, 6, 10, 18/CX6, 38 – *Address:* SODRE (Servicio Oficial de Difusion Radio Electrica) Andes 1459, Montevideo.
Leading Personalities: President, D. J. Z. Muniz. Gerente General, Don H. M. Laborde. Director for Broadcasting, Don D. Tartaglia. *News:* W. 14.00, 16.00, 17.00, 18.00, 19.00, 21.00. Sun.: 16.00, 17.00, 18.00. – *Announcement:* "Servicio Oficial de Difusion Radio Electrica, Montevideo, CX6, CX38, CXA4, CXA6, CXA10.
Interval-Signal: At the beginning of every transmission the first movement of "Campo". *Verification* by QSL-card.

CXA13/CX16 – *Address:* Mercedes 973, Montevideo. *Cable:* Sadrep. – *Leading Personalities:* Director General, Mr. R. Fontaina. Director of Programmes, Mr. H. Morás. *News:* 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 20.00, 23.00, 24.00, 01.00.

CXA21/CX40 – *Address:* Rio Branco 1366, Montevideo.

CXA8 – *Address:* Flores 30, Colonia.

CXA7/CX12 – *Address:* Olimar 1364. Montevideo. *News:* 11.00, 16.00, 22.00. *Leading Personality:* Director, Mr. L. A. Artola.

VENEZUELA

Language: Spanish· All stations commercial.

Camera Venezolana de Radiodifusion is the organization of all broadcasting stations. *Address:* Bolsa a Padre Sierra 22, altos Caracas.

Stations:	kc/s	m	kW	
YVOG	3310	90.63	1	R. Trujillo 22.00–02.30
YVQL	3330	90.09	1	La Voz del Tigre 10.00–02.30.
YVMU	3340	89.82	1	R. Carora.
YVMJ	3370	89.02	0.5	La Voz de la Fe.
YVQO	3380	88.76	7.5	Ondas Porteñas.
YVKP	3400	88.24	0.7	R. Tropical 10.30–03.30.
YVML	3410	87.97	2.5	R. Cabimas 09.30–11.30, 14.30–16.30, 20.30–01.30.
YVOK	3420	87.72	1.5	R. Universidas 10.30–12.30, 15.30–18.30, 22.30–03.30.
YVLI	3430	87.46	1.2	R. Maracay 11.00–03.00.
YVMC	3440	87.21	0.7	R. Mara 10.30–13.30, 15.30–03.30.
YVQI	3450	86.96	1	Emisoras Unidad 11.30–03.30.
YV4RP	3460	86.71	1	R. Valencia.
YVLE	3480	86.21	0.5	R. Puerto Cabello 22.00–02.30.
YVRA	3490	85.96	1	R. Monagas.
YVKX	3500	85.72	1.8	La Voz de la Patria 10.30–03.30.
YVLG	3520	85.16	0.2	R. Girardot
YVKT	3530	84.99	1	R. Libertador 10.30–03.30.
YVOC	3550	84.51	1	Ecos del Torbes 11.30–02.30.
YVMA	4750	63.19	5	Ecos del Zulia 10.30–13.30, 15.30–18.30, 20.30–03.30.
YVMW	4770	62.89	1	Ondas del Caribe.
YVLA	4780	62.76	1	La Voz de Carabobo 11.30–02.30
YVQC	4790	62.63	1	Ecos del Orinoco 22.30–02.30.
YVMF	4800	62.50	5	Ondas del Lago 11.30–04.30.
YVMG	4810	62.37	1	R. Popular 11.00–03.30.
YVNB	4820	62.24	1	Ondas de las Médanos 11.30–02.30.
YVOA	4830	62.11	5	La Voz del Tachira 10.30–03.00.
YVOI	4840	61.98	1.5	R. Valera 15.45–17.30, 21.30–02.40.
YVMS	4850	61.86	1	R. Universo 15.30–18.30, 21.30–02.30.
YVKF	4880	61.48	7.5	Ondas Populares 10.30–04.30.
YVKB	4890	61.35	10	Radiodifusora Venezuela 10.30–04.30.
YVQE	4900	61.22	1	R. Bolivar 15.30–02.30.
YVMM	4910	61.10	1	R. Coro 11.00–18.30, 20.30–03.30.
YVKR	4920	60.99	5	R. Caracas 10.30–04.30.
YVMQ	4940	60.73	4	R. Barquisimeto 11.30–03.30.
YVQA	4960	60.48	1	R. Sucre 11.30–03.00.
YVLK	4970	60.36	1.8	R. Rumbos 10.30–03.30.
YVMO	4990	60.12	2	R. Occidental 11.30–03.30.
YVKM	5030	59.67	7.5	R. Continente 11.00–03.30.
YVKD	5050	59.41	5	R. Cultura 10.30–04.30.
YVKO	6170	48.62	2	Radiodifusora Nacional 15.25–19.30, 21.25–03.30.

Medium Waves:

	kc/s	m	kW	S.W.		kc/s	m	kW	S.W.
YVKL	590	508	3	YVKM	YV4RE	850	353		YV4RP
YVKA	630	477	5	YVKO	YVKU	880	341		YVKT
YVLH	670	454	1	YVLQ	YVLJ	930	323		YVLI
YVQF	720	417	3	YVQE	YVKG	960	313		YVKF
YVKY	710	422	1	YVKX	YVOB	980	306	3	YVOA
YVKS	750	400	3	YVKR	YVQN	1030	292		YVQO
YVOD	780	384		YVOC	YVQJ	1080	278		YVQI
YVKC	790	379		YVKD	YVKE	1100	273		YVKD

YVQM 1010 297 YVQL YVLF 1290 233 YVLE
YVLL 1020 293 YVLK YVMB 1300 230 YVMA
YVME 1120 267 YVMF YVLB 1350 222 YVLA
YVQB 1120 267 YVQA YVMN 1370 218 5 YVMM
YVMD 1150 261 YVMC YVMI 1400 214 YVMJ
YVNA 1150 261 YVNB YVQD 1400 214 YVQC
YVKQ 1160 258 YVKP YVOL 1450 207 YVOJ
YVMK 1180 254 YVML YVRB 1420 211 YVRA
YVMH 1250 240 YVMG YVMR 1475 203 3 YVMQ
YVMP 1270 236 1 YVMO

YVOG – *Address:* Calle Independencia 200, Trujillo.
YVQL/YVQM – *Address:* La Voz de El Tigre, El Tigre,
YVMU – Radio Carora, Carora.
YVMJ – *Address:* La Voz de la Fe, Maracaibo.
YVQO/YVQN – *Address:*Ondas Portenas, Puerto la Cruz.
YVKP/YVKQ – *Address:* Radio Tropical, Caracas.
YVML/YVMK – *Address:* Calle Democracia, Cabimas,
YVOJ/YVOL – *Address:* Apartado 74, Merida.
YVLI/YVLJ – *Address:* Radio Maracay, "Su Amiga del Aire", Maracay.
YVMC/YVMD – *Address:* Radio Maracaibo, Maracaibo.
YVQI/YVQJ – *Address:* Emisoras Unidas (Cadena Oriental Venezolana de Radio), Barcelona, Anzoátegui.
YVLD/YV4RE – *Address:* R. Valencia (La Cadena de las Américas), Valencia.
YVLE/YVLF – *Address:* Urbanizacion "Valle Seco", Apt. 4, Puerto Cabello.
YVRA/YVRB – *Address:* R. Monagas, Maturin, Monagas. – *Verification* by QSL-card.
YVKX/YVKY – *Address:*La Voz de la Patria (Provenca), Caracas. – "Teatro Romántico" 01.00–01.30.
YVLQ/YVLH – *Address:* R. Girardot, Maracay.
YVKT/YVKU – *Address:* R. Libertador (Provensa),Caracas. – Orchestra Pancho Belisario 01.30–02.30.
YVOC/YVOD – *Address:* Edo. Tachira Calle 9–55, Apt. 152 San Christobal.
YVMA/YVMB – *Address:* Emisora Ecos del Zulia, (La decana de las emisoras de Occidente), Maracaibo.
YVMW – *Address:* Ondas del Caribo, "Heraldo de la Cultura Peninsular", Caribo, Punto Fijo.
YVLA/YVLB – *Address:* La Voz de Carabobo, Valencia,
YVQC/YVQD – *Address:* Ecos del Orinoco, Circuito Radiofónico del Sur, Ciudad Bolivar.
YVMF/YVME – *Address*Apartado 261, Maracaibo.
YVMG/YVMH – *Address:* P.O. Box 247, Maracaibo.
YVNB/YVNA – *Address:* Ondas de los Medanos, Coro.
YVOA/YVOB – *Address:* Apartado 37, Carrera 52-54, San Christobal. – *Verification* by QSL-card.
YVOI – *Address:* Calle Bolivar 54, Valera.
YVMS – *Address:* Apartado 77, Barquisimeto.
YVKF/YVKG – *Address:* Apartado de Correos 587, Caracas. – *Verification* by QSL-card.
YVKB/YVKC – *Address:* Radiodifusora Venezuela, Caracas. – *News:* 10.30, 15.00, 22.30, 02.00. *Verification* by QSL-card.
YVQE/YVQF – *Address:* R. Bolivar, Circuito Radiofonico del Sur, Ciudad, Bolivar.
YVMM/YVMN – *Address:* R. Coro, "La Mensajera Esperitual del Pueblo Falconiario". *Verification* by QSL-card.
YVKR/YVKS – *Address:* R. Caracas, Caracas .– "Fiesta Fabulosa" 00.30. *Verification* by QSL-card.
YVMQ/YVMR – *Address:* R. Barquisimeto, Apartado 76, Barquisimito, Lara.
YVQA/YVQB – *Address:* R. Sucre, Cadena Oriental Venezolana de Radio, Calle Sucre 85, Cumaná, Sucre.
YVLK/YVLL – *Address:* R. Rumbos, Caracas.
YVMO/YVMP – *Address:* Radiodifusora Occidental, Barquisemeto, Lara.
YVKM/YVKL – *Address:* Apartado 866, Caracas. *Verification* by QSL-card.
YVKD/YVKE – *Address:* R. Cultura La Emisora de los Exitos, Caracas. – *News* 22.30. – *Verification* by QSL-card.
YVKO/YVKA – *Address:* Radiodifusora Nacional de Venezuela, Caracas. – *News in Spanish:* 16.45, 21.30, 23.30. – *News in French:* Tues. 02.30. – *News in English:* Fri. 01.00. – *Verification* by QSL-card.

STANDARD FREQUENCY STATIONS

JJY Station, Radio Regulatory Commission (RRC) Tokyo, Japan.

Address: Koganei-branch, Standard Frequency Section, Engineering and Monitoring Division, Radio Regulatory Commission (RRC), Koganeimachi, Kitatama-yun,
Stations: 2 kW 4000 kc/s 75 m 24 hours – 8000 kc/s 37.50 m 21.00–11.00.
Services: 1. Standard radio and audio frequencies. 2. Standard time signals. 3. Radio propagation disturbance warning.
1. Any desired radio frequencies, incl. microwave frequencies, may be accurately measured. The standard audiotone, 1000 cycles/s, is continously superimposed on the carrier by modulation during nine minutes from the hour and every successive ten minute. Useful for accurate frequency measurement or calibration of frequencies or as a short time interval.
2. *Second Signal:* The waves are interrupted during 20 miliseconds every second. *Minute-Signal:* The waves are interrupted during 200 miliseconds every minute.
3. A notice of radio propagation condition is broadcast in code "W" or "U". If a warming in effcet, the code "W" is repeated 8 times before the call sign. If unstable conditions are expected the code "U" is repeated 8 times.
Message to Listeners: RRC welcomes reports on reception or method of use. Correspondance should be addressed: Standard Frequency Section, Engineering and Monotoring Division, RRC, Aoyama, Minato-ku, Tokyo,

RADIO STATIONS WWV and WWVH

Addresses: 1. Radio Station WWV, National Bureau of Standards, Washington. 2. Radio Station WWVH, Puunene, Maui, Hawaii.
Stations: *WWV.* broadcast night and day standard frequency, time signals on 2500 (0.7 kW), 5000 (8 kW), 10000 (9 kW), 15000 (9 kW), 20000 (8.5 kW), 25000 (0.1 kW), 30000 (0.1 kW), 35000 (0.1 kW). – *WWVH.* broadcasts standard frequency, time signals on 5000 (0.4 kW), 10000 (0.4 kW), 15000 (0.4 kW) continously exc. from 07.00–07.40 and 19.00–19.40 and four minutes after the hour and half hour. Time, tone and frequency same as WWV.
Other Services: WWV (not 30000 and 35000 kc/s) broadcasts disturbance warning at 19 and 49 minutes past the hour; W=warning six times, U=unstable conditions six times; N=normal conditions, eight times.
Audio Frequencies and Musical Pitch: 600 cycle tone first four minutes, one minute announcements, 440–cycle tone next four minutes, one minute announcements; repeat every ten minutes.
Message to Listeners: WWV answers reports by QSL-card or letter. WWVH answers by letter.

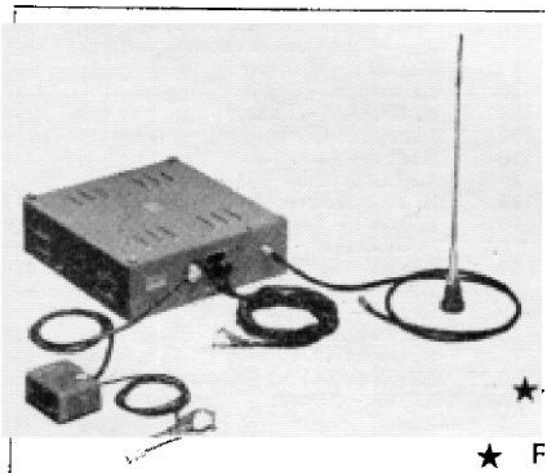
TABLE OF THE MOST SUITABLE METRE BANDS FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY THROUGHOUT THE YEAR.

This Table provides a ready answer to the question: Which is the best waveband for listening to a certain country at a particular time of the day during any one of the four seasons of the year?

The listener's area	M–Morning A–Afternoon E–Evening	Area of the station required																					
		SUMMER							SPRING AND AUTUMN							WINTER							
		Eu	NA	SA	Af	SAs	EAs	Au	Eu	NA	SA	Af	SAs	EAs	Au	Eu	NA	SA	Af	SAs	EAs	Au
Europe	M	41	31	41	19	19	19	31	41	41	41	19	19	19	19	31	49	31	16	16	19	16
	A	41	25	19	19	19	25	41	31	25	16	19	25	25	31	31	25	16	19	31	31	31
	E	31	19	19	25	31	31	31	41	25	41	41	31	31	41	49	49	31	31	41	41	31
North America	M	31	49	25	19	25	25	41	25	25	25	25	31	41	31	25	25	25	16	49	49	25
	A	25	49	19	19	31	25	19	25	19	16	31	31	25	25	49	25	16	25	31	19	19
	E	31	49	31	31	31	31	25	41	41	31	41	31	19	31	49	49	31	41	49	49	41
South America	M	19	31	31	19	19	31	49	16	41	19	19	16	25	49	16	41	25	16	16	25	25
	A	19	19	19	16	25	31	49	31	19	19	19	31	31	31	31	16	16	16	31	41	19
	E	31	25	31	31	41	25	49	41	31	25	25	31	25	41	31	31	19	25	41	19	19
Africa	M	19	41	41	25	19	19	25	19	41	31	25	16	16	19	16	41	31	25	13	16	19
	A	19	25	19	19	19	19	41	19	25	16	16	16	31	31	19	16	13	16	19	31	25
	E	25	19	19	25	41	25	49	41	31	19	16	25	41	41	31	25	16	31	31	41	31
South Asia	M	25	41	41	41	31	16	19	31	31	31	31	25	19	16	41	31	41	49	19	16	16
	A	19	31	25	16	19	13	31	19	31	25	16	16	16	19	16	49	25	13	19	16	16
	E	25	25	19	25	25	25	31	25	25	16	19	41	25	31	41	41	25	19	41	31	25
East Asia	M	31	25	25	31	19	19	16	31	19	19	41	19	16	16	41	19	25	41	25	16	13
	A	25	31	41	19	13	19	19	19	31	31	16	16	16	19	19	49	25	16	13	19	31
	E	25	25	25	19	19	25	31	25	41	31	25	25	25	25	31	49	25	31	25	31	25
Australia	M	41	25	49	49	41	41	41	41	25	31	41	41	31	25	31	25	19	31	31	16	25
	A	31	31	49	41	19	16	19	19	31	31	19	19	16	19	25	41	31	19	16	19	16
	E	41	41	49	25	31	31	41	25	31	41	25	25	25	25	16	31	25	19	19	41	19

METRE BANDS.

Eu = Europe. NA = North America. Af = Africa. SA = South America. SAs = South Asia. EAs = East Asia. Au = Australia.



V. H. F. U. H. F.

COMMUNICATION EQUIPMENT

★ WALKIE-TALKIES

★ AIRPORT GROUND STATIONS

★ FM-RADIOTELEPHONE EQUIPMENT

★ OUTSIDE BROADCAST EQUIPMENT

★ MULTICHANNEL MICROWAVE LINKS

STORNO VED AMAGERBANEN 21 . COPENHAGEN S . DENMARK

PHONE: Sundby 6800 TELEGRAMS: Store Nordiske

Table of the most suitable metre bands advertisement Storno

LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries. Abbreviations: BR = Bayerischer Rundfunk. AFN = American Forces Network. BFBS = British Forces Broadcasting Service. BFN = British Forces Network. NWDR = Nordwestdeutscher Rundfunk. SDR = Süddeutscher Rundfunk. VOA = Voice of America. MR = Mitteldeutscher Rundfunk. SWF = Südwestfunk. BDN = Blue Danube Network. NBJ = National Broadcasting Institute. RWR = Rot-Weiss-Rot. BCF = British Commonwealth Forces.

kc/s	Metres	kW	Stations
150	2000.0	0.5	**Angmagssalik** – Greenland
		0.5	**Godhavn** – Greenland
154	1948.0	10	**Kovno** – U.S.S.R.
155	1935.0	10	**Tromsö** – Norway
155	1935.0	150	**Romania (Brasov)** – Rumania
		100	**Moscow** – U.S.S.R.
164	1829.0	20	**Strasbourg II (National)** – France
173	1734.0	500	**Moscow I** – U.S.S.R.
182	1648.0	100	**Reykjavik** – Iceland
		10	**Luleå** – Sweden
		120	**R Ankara** – Turkey
185	1620.0	70	**Deutschlandsender (U.S.S.R. Z)** – Germany
191	1570.7	200	**Motala** – Sweden
200	1500.0	100	**Moscow I** – U.S.S.R.
		400	**Droitwich** – Gt. Britain
209	1435.0	150	**Kiev I (Ukraine)** – U.S.S.R.
218	1376.0		**Baku** – U.S.S.R.
		100	**Oslo** – Norway
227	1321.6	200	**Warsaw I** – Poland
232	1293.0	150	**Luxembourg I** – Luxembourg
236	1271.0	20	**Berliner Rundfunk (U.S.S.R. Z)** – Germany
		100	**Leningrad I** – U.S.S.R.
245	1224.0	60	**Kalundborg I** – Denmark
			Tbilissi – U.S.S.R.
254	1181.0	150	**Lahti** – Finland
		100	**Tashkent** – U.S.S.R.
263	1141.0	100	**Krasnojarsk** – U.S.S.R.
	1141.0	150	**Moscow II** – U.S.S.R.
272	1102.9	10	**Prague** – Czechoslovakia
281	1068.0	100	**Minsk I** – U.S.S.R.
385	779.0	100	**Kharkov II (Ukraine)** – U.S.S.R.
420	714.3	10	**Östersund** – Sweden
433	693.0	10	**Oulu** – Finland
519	578.0	0.2	**Graz II** – Austria
520	577	1	**Joensuu** – Finland
		1	**Hamar** – Norway
529	567.1	150	**Beromünster** – Switzerland
539	556.5	135	**Budapest I (Kossuth)** – Hungary
548	547.4	50	**Munich (AFN)** – Germany (Am. Z)
		150	**Moscow II** – U.S.S.R.
		150	**Odessa** – U.S.S.R.
554	539.0	100	**Helsinki I** – Finland
557	539.0	50	**Timisoara** – Rumania
		50	**Monte Ceneri** – Switzerland
565	531.0	0.25	**Klagenfurt (BFN)** – Austria (Br. Z)
		1	**Graz (BFN)** – Austria
566	530.0	15	**Schönbrunn** – Austria
		100	**Athlone** – Eire
		5	**Berlin (NWDR)** – Germany (Br. Z)
		5	**Caltanissetta** – Italy
575	521.7	20	**Potsdam** – Germany (U.S.S.R. z)
	522.0	100	**Mühlacker (SDR)** – Germany (Am. Z)
		5	**Panamerican** – Tangier
	521.7	10	**Tel-Aviv** – Israel
	521.7	100	**Riga** – U.S.S.R.
584	513.8	35	**Vienna I (RAVAG)** – Austria (U.S.S.R. Z)
593	505.8	100	**Frankfurt (HR)** – Germany (Am. Z)
		60	**Sofia II** – Bulgaria
		150	**Sundsvall** – Sweden
594	505.0	15	**Madrid EAJ7** – Spain
602	498.4	100	**Lyon I (Parisienne)** – France
606	495.0	1	**Lakatamia (BFBS)** – Cyprus
611	491.0	1	**Berlin (AFN)** – Germany (Am. Z)
		0.35	**Fritzlar (AFN)** – Germany (Am. Z)
		1	**Eidar** – Iceland
		20	**Rabat I** – Morocco
		100	**Frunze** – U.S.S.R.
		100	**Petrozavodsk, Finno Karelia** – U.S.S.R.
		20	**Krasnodar** – U.S.S.R.
		20	**Sarajevo** – Yugoslavia
620	483.9	20	**Brussels I** – Belgium
		20	**Cairo I** – Egypt
		20	**Gorki** – U.S.S.R.
629	477.0	20	**Innsbruck** – Austria (Fr. Z)
		20	**Dornbirn** – Austria (Fr. Z)
		100	**Vigra** – Norway
		20	**Tunis II** – Tunisia
633	473.9	1	**Godthaab** – Greenland
635	472.0	8	**Sevilla** – Spain
638	470.2	120	**Prague** – Czechoslovakia
647	464.0	120	**Daventry** – Gt. Britain
		2	**Edinburgh** – Gt. Britain
		2	**Glasgow** – Gt. Britain
		2	**Newcastle** – Gt. Britain
		2	**Redmoss** – Gt. Britain
		100	**Kharkov I** – U.S.S.R.
652	460	0.8	**Tel-Aviv** – Israel
656	457.3	100	**Naples I** – Italy
		100	**Florence I** – Italy
		80	**Turin I** – Italy
		20	**Venice I** – Italy
		20	**Bolzano I** – Italy
665	451.2	10	**Bayreuth (AFN)** – Germany (Am. Z)
		15	**Lisbon II** – Portugal
		0.5	**R. Universidade** – Portugal
		100	**Vilna (Lithuania)** – U.S.S.R.
		50	**Damascus** – Syria
674	445.1	20	**R. Kabul** – Afghanistan
		1	**Zell-am-See** – Austria
		20	**Marseille I (Parisienne)** – France
		10	**Paris III (Parisienne)** – France
		10	**Bodö** – Norway
		100	**Simferopol** – U.S.S.R.
		100	**Ouchgorod** – U.S.S.R.
677	443.0	20	**R. Hashemite (Jerusalem)** – Jordan
683	439.2	40	**Hof (RIAS)** – Germany (Am. Z)
		150	**Belgrade I** – Yugoslavia
685	438.0	5	**R. Africa** – Tangier
692	434	150	**Moorside Edge** – Gt. Britain
			Moscow I – U.S.S.R.
701	427.8	25	**Banska Bystrica** – Czechoslovakia
		2	**Kosice II** – Czechoslovakia
		5	**Bonn (NWDR)** – Germany (Br. Z)
		1	**Fez** – Morocco (French)
		20	**Finmark** – Norway
		20	**La Coruna** – Spain
704	426.1	150	**R. Istanbul** – Turkey
710	422.0	100	**Limoges I (Parisienne)** – France
		150	**Stalino** – U.S.S.R.
		20	**Tartu (Estonia)** – U.S.S.R.
719	417.2	135	**R. Free Europe Munich** – Germany (Am. Z)
		50	**Lisbon I** – Portugal
		0.2	**Malmberget** – Sweden
		50	**Aleppo** – Syria
725	413.8	3	**Djeddah** – Saudi Arabia
728	412.0	15	**Graz I** – Austria (Br. Z)
		15	**Klagenfurt I** – Austria (Br. Z)
		2	**Schwerin** – Germany (U.S.S.R. Z)
		0.35	**Nürnberg (AFN)** – Germany (Am. Z)
		50	**Athens** – Greece
731	410.0	1	**Assiut** – Egypt
737	407.1	10	**Gliwice (Katovice)** – Poland
		120	**Madrid-Arganda** – Spain
		5	**Madrid-Local** – Spain
		2.5	**Jerusalem** – Israel
746	402.0	120	**Hilversum I** – Holland
755	397.4	20	**Vienna (RWR)** – Austria
		20	**Kuopio** – Finland
		1.5	**Braunschweig (NWDR)** – Germany Br. Z)
		1.5	**Flensborg (NWDR)** – Germany (Br. Z)
		0.4	**Siegen (NWDR)** – Germany (Br. Z)
		10	**Porto** – Portugal
		50	**Timisoara II** – Rumania
764	392.6	150	**Sottens** – Switzerland
767	391.1	0.5	**R. Baghdad** – Iraq
773	388.0	5	**Sevilla EAJ5** – Spain
		55	**Stockholm** – Sweden
		0.1	**Chur** – Switzerland
773	388.0	2	**R. Vaticano** – Vatican State
782	383.6	70	**Berliner Rundfunk** – Germany (U.S.S.R. Z)
		100	**Kiev II** – U.S.S.R.

kc/s	Metres	kW	Stations
791	379.2	100	Rennes I (Parisienne) – France
		50	Salonika (VOA) – Greece
795	377.4	1	Tripoli (BFBS) – Tripolitania
800	375.0	100	Munich (BR) – Germany (Am. Z)
		100	Leningrad II – U.S.S.R.
809	371.0	100	Burghead – Gt. Britain
		100	Westerglen – Gt. Britain
		20	Redmoss – Gt. Britain
		20	Skopje – Yugoslavia
		0.8	Ajdovscina – Yugoslavia
		10	Barcelona EAJ1 – Spain
818	366.7	50	Warsaw II – Poland
824	365.4	60	R. Andorra – Andorra
827	362.0	100	Sofia I – Bulgaria
		18	Freiburg (SWF) – Germany (Fr. Z)
		1.5	Kaiserslautern (SWF) – Germany (Fr. Z)
		1.5	Baden-Baden (SWF) –G ermany (Fr. Z)
		1	Trier (SWF) – Germany (Fr. Z)
		1	Sigmaringen (SWF) – Germany (Fr. Z)
		0.5	Koblenz (SWF) – Germany (Fr. Z)
833	359.8	1	Benghazi (BFBS) – Libya
		0.16	Huelva – Spain
836	358.9	20	Nancy I (Parisienne) – France
		4	Beirut – Lebanon
845	355.0	100	Roma I – Italy
850	353.0	3.5	Madrid EAJ2 – Spain
854	351.0	1	Bremerhaven (AFN) – Germany (Am. Z)
854	351.0	0.35	Fulda (AFN) – Germany (Am. Z)
		150	Bucarest I – Rumania
863	347.6	150	Paris I (National) – France
868	345.0	0.8	Vienna (BFN) – Austria (Br. Z)
872	344.0	150	Frankfurt (AFN) – Germany (Am. Z)
		30	Zaragoza – Spain
		150	Moscow III – U.S.S.R.
881	341.0	1	Salzburg (BDN) – Austria
		150	Washford – Gt. Britain
		20	Penmon – Gt. Britain
		5	Wrexham – Gt. Britain
		20	Titograd – Yugoslavia
890	337.1	50	Algiers II – Algeria
		1	Linz (BDN) – Austria
		1	Bad Mergentheim (SDR) – Germany (Am. Z)
		2	Tehran – Iran
		20	Bergen I – Norway
		20	Kristiansand – Norway
		20	Tröndelag – Norway
		20	Dniepropetrovsk – U.S.S.R.
896	335	2	Tehran – Iran
899	333.7	50	Milano I – Italy
908	330.0	5	Brookmans Park – Gt. Britain
		100	Moscow – U.S.S.R.
910	329.7	2	Dresden – Germany (U.S.S.R. Z)
917	327.2	5	Fritzlar (HR) – Germany (Am. Z)
		10	Madrid – Spain
		135	Ljubljana – Yugoslavia
		1.5	Nis – Yugoslavia
926	323.9	20	Brussels II – Belgium
934	320.9	20	R. Africa – Tangier
935	321.0	100	Lvov – U.S.S.R.
944	317.8	20	Toulouse I (Parisienne) – France
		20	Voronezh – U.S.S.R.
953	314.8	100	Brno-Dobrochov – Czechoslovakia
962	312.0	40	Turku I – Finland
		0.4	Hof (BR) – Germany (Am. Z)
		20/120	Tunis I – Tunisia
971	309.0	50	Langenberg (NWDR) – Germany (Br. Z)
		50	Hamburg (NWDR) – Germany (Br. Z)
		20	Smolensk – U.S.S.R.
980	306.1	50	Algiers I – Algeria
		150	Gothenburg – Sweden
		2.5	Trieste II – Trieste
989	303.2	100	Berlin (RIAS) – Germany (Am. Z)
992	302.0	8	Malaga EAJ9 – Spain
998	300.6	5	Heidelberg (SDR) – Germany (Am. Z)
		100	Kishinev – U.S.S.R.
1000	300.0	1	Salonika (FBS) – Greece
1007	298.0	120	Hilversum II – Holland
1016	295.3	70	Rheinsender (SWF) – Germany (Fr. Z)
		2.00	Dresden II – Germany (U.S.S.R. Z)
1025	292.7	100	Graz-Dobl – Austria (Br. Z)
1034	290.1	.1	Vienna (BDN) – Austria
		0.35	Bremen (AFN) – Germany (Am. Z)
		0.35	Kassel (AFN) – Germany (Am. Z)
		0.35	Ansbach (AFN) – Germany (Am. Z)
		0.35	Bad Kissingen (AFN) – Germany (Am. Z)
		0.35	Hof (AFN) – Germany (Am. Z)
		0.35	Garmisch (AFN) – Germany (Am. Z)
		10	Milano II – Italy
1034	290.1	5	Venice II – Italy
		5	Genoa II – Italy
		20	Parede – Portugal
		100	Tallinn (Estonia) – U.S.S.R.
1043	287.6	70	Leipzig (MR) – Germany (U.S.S.R. Z)
		2	Salonika (NBI) – Greece
		20	Rabat II – Morocco
1052	285.0	150	Start Point – Gt. Britain
		5	Foscani – Rumania
		5	Bucarest II – Rumania
1061	283.0	100/60	Kalundborg II – Denmark
		20	Weimar – Germany (U.S.S.R. Z)
		5	Cagliari – Italy
1070	280.4	100	Paris II (Paris Inter) – France
		2	Lille III (Paris Inter) – France
		1	Bordeaux III (Paris Inter) – France
		1	Lyon III (Paris Inter) – France
		1	Marseille III (Par's Inter) – France
		1	Nancy III (Paris Inter) – France
		0.05	Nantes II (Paris Inter) – France
		20	Krasnodar – U.S.S.R.
1075	279.0	1.5	San Sebastian EAJ8 – Spain
1079	278.0	50	Wroclaw (Breslau) – Poland
		0.25	R. International – Tangier
1088	275.7	0.2	Korça – Albania
		150	Droitwich – Gt. Britain
		20	Norwich – Gt. Britain
1097	297.5	150	Bratislava – Czechoslovakia
1106	271.2	100	Stuttgart (AFN) – Germany (Am. Z)
		100	Moghilev – U.S.S.R.
1115	269.1	20	Bari I – Italy
		50	Bologna II – Italy
		1	Notodden – Norway
		1	Namsos – Norway
		1	Bergen II – Norway
		0.3	Lista – Norway
		0.25	Fåberg – Norway
		0.25	Røros – Norway
1122	267.4	0.5	Alexandria – Egypt
		1	Barcelona EAJ15 – Spain
1124	266.9	10	Brussels III – Belgium
		5	Stalin (Varna) – Bulgaria
		20	Viborg – U.S.S.R.
		20	Leningrad III – U.S.S.R.
1133	265.0	5	Bilbao EAJ28 – Spain
		135	Zagreb – Yugoslavia
1142	262.7	20	Constantine I – Algeria
		0.75	Oran I – Algeria
		0.35	4 syncr. low power st. – Germany (Am. Z)
		10	Trieste I – Trieste
		20	Kaliningrad – U.S.S.R.
1151	261.0	100	Lisnagarvey – Gt. Britain
		100	Stagshaw – Gt. Britain
		5	Londonderry – Gt. Britain
		20	Cluj – Rumania
1151	260.9	5	Orudea – Rumania
		5	Baja – Rumania
1160	258.6	20	Strasbourg I (Parisienne) – France
1169	257.0	5	Ulm (SDR) – Germany (Am. Z)
		1	Porto – Portugal
1178	254.7	100	Hörby – Sweden
		6	R. Trieste – Trieste (Yugosl. Z)
1187	252.7	135	Budapest II (Petöfi) – Hungary
1196	251.0	150	Munich (VOA) – Germany (Am. Z)
		20	Halle – Germany (U.S.S.R. Z)
1200	250.0	0.1	Qyteti (Stalin) – Albania
1205	249.0	100	Bordeaux I (National) – France
		6	Poznan – Poland
		0.5	Haifa – Israel
1214	247.0	20	Hamburg – Germany (Br. Z)
		20	Hannover (BFN) – Germany (Br. Z)
		20	Langenberg (BFN) – Germany (Br. Z)
		10	Herford (BFN) – Germany (Br. Z)
		10	Berlin (BFN) – Germany (Br. Z)
		60	Brookmans Park – Gt. Britain
		58	Moorside Edge – Gt. Britain
		50	Westerglen – Gt. Britain
		20	Burghead – Gt. Britain
		10	Newcastle – Gt. Britain
		10	Lisnagarvey – Gt. Britain
		2	Redruth – Gt. Britain
		2	Plymouth – Gt. Britain
		1	Londonderry – Gt. Britain
		2	Ponta Delgada – Azores

kc/s	Metres	kW	Stations
1214	247.0	100	Simforopol – U.S.S.R.
		20	Kursk – U.S.S.R.
1223	245.3	20	Stara Zagora – Bulgaria
		0.3	7 syncr. low power st. – Germany (Am. Z)
		5	Barcelona – Spain
		100	Falun – Sweden
1232	243.5	100	Kosice I – Czechoslovakia
		10	R. International – Tangier
1241	242.0	10	Vaasa – Finland
		20	Quimper (National) – France
		20	Pau (National) – France
		20	Clermont I (National) – France
		20	Grenoble I (National) – France
		20	Dijon I (National) – France
		10	Montpellier I (National) – France
		1	Annemasse (National) – France
		1	Nice III (National) – France
		1	Poitiers (National) – France
		150	Odessa – U.S.S.R.
		20	Tiraspol – U.S.S.R.
1250	240.0	5	Salzburg (RWR) – Austria
		1	Dublin – Eire
		1	Cork – Eire
1250	240.0	10	Nyiregyhaza – Hungary
1258	238.0	5	Valencia EAJ3 – Spain
1259	238.3	50	Szezecin – Poland
1268	236.6	20	Belgrade II – Yugoslavia
1277	234.9	100	Lille I (Parisienne) – France
1286	233.3	100	Melnik – Czechoslovakia
		2	Lisbon – Portugal
1295	232.0	150	Ottringham – Gt. Britain
1300	230.7	1	Athens (FBS) – Greece
		1	R. SEU – Spain
		0.5	Valladolid – Spain
1304	230.0	0.2	Oran II – Algeria
		20	Constantine II – Algeria
		1	Trieste (AFS) – Trieste (Br. Am. Z)
		02.	Klagenfurt II – Austria (Br. Z)
		1	Bremerhaven – Germany (Am. Z)
		0.2	4XB41 Galei Zahal (FBS) – Israel
		1	Gdansk – Poland
1313	228.5	100	Stavanger – Norway
1320	226.0	1.2	Malaga – Spain
1322	227.0	0.5	R. Ribatejo – Portugal
		100	Ouchgorod – U.S.S.R.
1331	225.4	50	Bologna I – Italy
		25	Pescara – Italy
		10	Genoa I – Italy
		5	Rome II – Italy
		5	Messina – Italy
1336	224.6	0.2	4XB41 Galei Zahal (FBS) – Israel
1340	224.0	150	Crowborough – Gt. Britain
1349	222.6	10	Cairo II – Egypt
		1	Kabrit (BFBS) – Egypt
		20	Rennes II (National) – France
		20	Limoges II (National) – France
		20	Touluse II (National) – France
		20	Lyon II (National) – France
		10	Nancy II (National) – France
		1	Montelimar (National) – France
		20	Kuldiga – U.S.S.R.
		20	Madonna – U.S.S.R.
1358	220.9	10	Tirana – Albania
		20	Bremen – Germany (Am. Z)
		1	Faro – Portugal
		0.2	Kiruna – Sweden
1367	219.4	0.3	St. Johann (BDN) – Austria
		1	Bonn (BFN) – Germany (Br. Z)
		10	Palermo I – Italy
		5	Catania I – Italy
		5	Venice III – Italy
		24	Torun – Poland
		1	Coimbra – Portugal
		0.5	Basel – Switzerland
		0.1	Saviése – Switzerland
		0.1	Sool n. Schwanden – Switzerland
1376	218.0	100	Marseille II (National) – France
1384	216	1	Tripoli (BFBS) – Tripolitania
1385	216.5	5	Valencia – Spain
		1	Trieste (FBS) – Trieste (Br. Am. Z)
		150	Kowno – U.S.S.R.
1390	215.8	0.2	4XB41 Galei Zahal (FBS) – Israel
1392	215.4	1	Fayid (BFBS) – Egypt
1394	215.2	15	Linz (RWR) – Austria
		0.5	Visby – Sweden
		0.5	Uppsala – Sweden
		0.5	Eskildstuna – Sweden
		0.5	Hälsingborg – Sweden
		0.4	Säffle – Sweden
		0.2	Trollhättan – Sweden
		0.2	Varberg – Sweden
		0.2	Jönköping – Sweden
		0.2	Kristinehamn – Sweden
1403	213.3	20	Nice II (Parisienne) – France
		20	Bordeaux II (Parisienne) – France
		20	Louvetot I (Parisienne) – France
		10	Montbeliard (Parisienne) – France
		2	Nimes (Parisienne) – France
		20	Tartu – U.S.S.R.
1412	212.4	20	Split – Yugoslavia
		5	Maribor – Yugoslavia
		2	Pristina – Yugoslavia
		2	Novi Sad – Yugoslavia
		1	Bitolo – Yugoslavia
		0.8	Dubrovnik – Yugoslavia
1420	211.2	1	Fayid (BFBS) – Egypt
1421	211.1	5	Algiers III – Algeria
		20	Saarbrücken – Germany
1428	210.0	0.2	Oviedo (Asturias) – Spain
1430	209.8	0.2	Gjinokastra – Albania
		100/70	Skive – Denmark
		15	Copenhagen – Denmark
1435	209.0	1	R. Huelva – Spain
		0.2	Mallorca – Spain
1439	208.4	150	Luxembourg II – Luxembourg
1447	207.3	9	Castilla – Spain
		1	Granada – Spain
		0.2	4 syncr. low power st. – Spain
1448	207.2	20	Turin II – Italy
		5	Palermo II – Italy
		5	Sanremo – Italy
		5	Naples II – Italy
		5	Ancona – Italy
		3	Firenze II – Italy
		5	Catania – Italy
		1	Hudiksvall – Sweden
		0.5	Gävle – Sweden
		0.5	Örnskoldsvik – Sweden
1450	207.0	0.2	2 syncr. low power st. – Spain
1457	206.0	60	Bartley – Gt. Britain
		60	Clevedon – Gt. Britain
		2	Brighton – Gt. Britain
		2	Hastings – Gt. Britain
		20	Craiova – Rumania
1466	204.6	120	Monte Carlo – Monaco
		1	Porsgrunn – Norway
		1	Narvik – Norway
		0.2	Odda – Norway
		0.2	Svalbard – Norway
		0.2	Geilo – Norway
		0.2	Mo i Rana – Norway
1475	203.4	2	Vienna II (RAVAG) – Austria (U.S.S.R. Z)
1478	203.0	1	Valetta (BFBS) – Malta
1484	202.2	0.5	Hradec Kralove – Czechoslovakia
		0.5	Liberec – Czechoslovakia
		0.5	Usti-nad-Labem – Czechoslovakia
		2	Copenhagen I – Denmark
		0.2	Tønder – Denmark
		0.2	Aalborg – Denmark
		1	Helsinki II – Finland
		1	Pietarsaari – Finland
		1	Pori – Finland
		1	Tampere – Finland
		0.2	Turku II – Finland
		0.2	Tammisaari – Finland
		2	Strasbourg III (Paris Inter) – France
		1	Rennes III (Paris Inter) – France
		1	Perpignan (Paris Inter) – France
		1	Limoges III (Paris Inter) – France
		1	Clermont II (Paris Inter) – France
		0.2	Toulouse III (Paris Inter) – France
		0.2	Dijon II (Paris Inter) – France
		0.2	Montpellier II (Parisienne) – France
		0.05	7 syncr. low power st. – France
		2	Norden (NWDR) – Germany (Br. Z)
		2	Göttingen (NWDR) – Germany (Br. Z)
		2	Kiel (NWDR) – Germany (Br. Z)
		2	Herford (NWDR) – Germany (Br. Z)
		2	Plauen (M.R.) – Germany (U.S.S.R. Z)
		0.4/2	7 syncr. low power st. (BR) – Germany (A.Z.)
		0.2	Volos (NBI) – Greece
		2	Barrow – Gt. Britain

kc/s	Metres	kW	Stations
		2	Ramsgate – Gt. Britain
		5	Spezia – Italy
		3	Florence II – Italy
		1	Udine – Italy
		1	Bolzano II – Italy
		1	Verona – Italy
		1	Bari II – Italy
		1.5	Rijeka – Yugoslavia
		1	R. Club da Madeira Funchal – Madeira
		0.8	Osijek – Yugoslavia
		0.3	Zajecar – Yugoslavia
		0.08	Valjevo – Yugoslavia
		0.07	Slavonski Brod – Yugoslavia
1484	202.0	2	Lodz – Poland
		0.02	Mosjøen – Norway
		0.2	Rjukan – Norway
		5	R. Vaticano – Vatican State
1492	201.1	0.5	Tenerife – Canary Islands
		0.6	Badajoz – Spain
		0.4	Albacete – Spain
		0.2	4 syncr. low power st. – Spain
1493	201.0	20	Lille II (National) – France
		10	Nantes I (National) – France
		20	Gomel – U.S.S.R.
1495	201.0	0.2	Orensa – Spain
1500	200.0	0.2	Melilla – Morocco (Spanish)
		0.3	Coruna – Spain
		0.2	Castellon – Spain
		0.2	Reus EAJ11 – Spain
		0.2	Cuena – Spain
1502	199.7	10	Cracow – Poland
1511	198.5	5	Brussels IV – Belgium
		0.1	Patras (NBI) – Greece
		0.05	Chania – Greece
1520	197.4	20	Ostrava – Czechoslovakia
		15	Plzen – Czechoslovakia
		15	Karlovy Vary – Czechoslovakia
		5	Ceske Budejovice – Czechoslovakia
1529	196.0	1	Funchal – Madeira
		1	Umeå – Sweden
		0.5	Karlskrona – Sweden
		0.075	Porjus – Sweden
1538	195.1	20	Bad Dürrheim (SWF) – Germany (Fr. Z)
		20	Ravensburg (SWF) – Germany (Fr. Z)
		5	Reutlingen (SWF) – Germany (Fr. Z)
1546	194.0	5	Belfast – Gt. Britain
		5	Brighton – Gt. Britain
		5	Exeter – Gt. Britain
		5	Hull – Gt. Britain
		5	Leeds – Gt. Britain
		5	Liverpool – Gt. Britain
		5	Plymouth – Gt. Britain
		2	Middlesborough – Gt. Britain
		2	Sheffield – Gt. Britain
		2	Redruth – Gt. Britain
		2	Preston – Gt. Britain
		2	Manchester – Gt. Britain
		2	Fareham – Gt. Britain
		2	Dundee – Gt. Britain
		2	Cardiff – Gt. Britain
		2	Bournemouth – Gt. Britain
1554	193.0	60	Nice I (Paris Inter) – France
1562	192.1	2.5	Malmö – Sweden
		2	Borås – Sweden
		2	Halmstad – Sweden
		2	Kalmar – Sweden
1562	192.1	0.2	Karlstad – Sweden
		0.2	Norrköping – Sweden
		0.5	Örebro – Sweden
		0.05	Uddevalla – Sweden
1570	191.1	3	Berliner Rundfunk – Germany (U.S.S.R. Z)
1578	190.1	0.04	19 low power st. – Italy
		10	Frederikstad – Norway
1586	189.1	20	Oldenburg (NWDR) – Germany (Br. Z)
		20	Hannover (NWDR) – Germany (Br. Z)
		5	Osnabrück – Germany (Br. Z)
		2	Aachen-Stolberg (NWDR) – Germany (Br.Z)
1594	188.2	2	Esbjerg – Denmark
		0.2	Hanko – Finland
		0.2	Karjaa – Finland
		0.3	Kassel (HR) – Germany (Am. Z)
		1.5	Hengelo – Holland
		1.5	Hulzberg – Holland
		1.5	Hoogezand – Holland
		1	R. Graca – Portugal
		0.5	R. Peninsular – Portugal
		0.5	Club Radiofonico – Portugal
		0.5	R. Restauracao – Portugal
		0.5	Radiodifusao do Funchal – Madeira
		0.5	Varazdin – Yugoslavia
		0.2	Ljubljana II – Yugoslavia
1602	187.0	20	Nürnberg (BR) – Germany (Am. Z)

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* Station varies in frequency.

SHORTWAVE STATIONS OF THE WORLD

kc/s	Metres	kW		Stations
2200	136.3	0.5	YSF	Radio Vanguardia – El Salvador
2240	133.9	3	YDB	Djakarta – Java
2310	129.5	0.3	YDG2	Surakarta – Java
2320	129.0	0.3	YDL2	Padang – Sumatra
2330	128.5	5		Radio Jamaica – Jamaica
2335	128.2	0.3	YDI6	Diember – Java
2340	128.2	0.5	ZYV30	Radio Difusora Brasileira – Brazil
2350	127.6	0.3	YDW	Pontianak – Borneo
2370	126.5	0.1	YDG6	Madiun – Java
2390	125.5	0.3	YDN	Kutaradja – Sumatra
2415	124.2	0.1	YDA2	Bandung – Java
2450	122.4	0.3	YDJ3	Jogjakarta – Java
2460	121.9	3	PJC2	Willemstad – Curaçao
2467	122.0	0.3	YDI3	Surabaya – Java
2500	120.0	0.1	YDH	Semarang – Java
		0.7	WWV	Frequency st. – U.S.A.
2510	120.5	5	HLKA	Soeul – S. Korea
2600	115.4	0.3	YDD	Djakarta – Java
2830	106.0	0.2	HCFX5	R. Cuenca – Ecuador
2880	104,2	50	GRC	London – Gt. Britain
3130	95.84	0.3	YSIA	R. Intercontinental – El Salvador
3200	93.75	0.5		Frederikshaab – Greenland
3230	92.88	1	YDS	Menado – Celebes
3240	92.59	1.2	YDI	Surabaya – Java
	92.59	1	CXW	R. El Espectador – Uruguay
3265	91.87	1	ZYK21	R. Tamandaré – Brazil
3270	91.75	0.3	YDM	Bukittinggi – Sumatra
3275	91.60	1	ZYR31	Bauru Radio Clube – Brazil
3290	91.19			Johannesburg – S. Africa
3295	91.04	5		Emissora Continental – Brazil
3310	90.63	1	YVOG	R. Trujillo – Venezuela
3320	90.36	15	ZEAF	Salisbury – S. Rhodesia
3325	90.24	2	DZB2	Manila FEBC – Philippine
		1		R. Borborema – Brazil
		0.2		Hollandia – New Guinea (Dutch)
3330	90.09	1	YVQL	La Voz del Tigre – Venezuela
		0.3		Dar es Salaam – Tanganyika
3332	90.00	1	YDG	Surakarta – Java
3340	89.82	1	YVMU	R. Carora – Venezuela
3345	89.68	1	ZYN22	R. Cultura da Bahia – Brazil
3350	89.55	0.3	YDP2	Medan – Sumatra
3356	89.39			Johannesburg – S. Africa
3360	89.34	5		R. Jamaica – Jamaica
3365	89.15	0.2		R.Kashmir (N.Regional) – Java
		10	VUD2	Delhi – India
		0.3	YDQ	Makassar – Celebes
3370	89.02	1	YVMJ	La Voz de la Fe – Venezuela
3380	88.76	1	YCQO	Ondas Portenas – Venezuela
3390	88.50	0.2	OQ2AC	R. College – Belgian Congo
		3	YDA	Bandung – Java
3395	88.75	7.5		Colombo – Ceylon
3400	88.24	2	YVKP	R. Tropical – Venezuela
3410	87.98	2.5	YVML	R. Cabimos – Venezuela
3410	87.97	2	ZM2AP	Apia – Samoa
3420	87.72	1.5	YVOK	R. Universidad – Venezuela
3430	87.46	1.2	YVLI	R. Maracay – Venezuela
3435	87.34	5	VUD3	Delhi – India
3440	87.21	0.7	YVMC	R. Mara – Venezuela
		7.5	CR7BM	Lourenco Marques – Moz.
3450	86.96	1	YVQI	Emisoras Unidas – Venezuela
				Johannesburg – S. Africa
3460	86.71	1	YV4RP	R. Valencia – Venezuela
3480	86.21	0.5	YVLE	R. Puerto Cabello – Venezuela
3490	85.96	1	YVRA	R. Monagas – Venezuela
3490	85.96	7.5	CR7AB	R. Clube de Mozambique – Moz.
3495	85.84	10	VUD2	Delhi – India
3500	85.72	1.8	YVKX	La Voz de la Patria – Venezuela
3520	85.16	0.2	YVLG	R. Girardot – Venezuela
3530	84.99	1	YVKT	R. Libertador – Venezuela
3550	84.51	1	YVOC	Ecos del Torbes – Venezuela
3914	76.60	15	ZQP	Lusaka – N. Rhodesia
3930	76.34	60		Rome RAI-Italiana – Italy
3945	76.05	1	YDH2	Semarang – Java
3950	75.95	3		Djeddah – Saudi Arabia
3955	75.85	25/50	HVJ24	Vatican Radio – Vatican State
3960	75.75	0.3	YDL	Padang – Sumatra
3980	75.38	20	EQO	R. Tehran – Iran
		5	YDI2	Surabaja – Java
4000	75.00	2	JJY	Frequency st. – Japan
4052	74.01	0.02	YNJJ	R. Carazo – Nicaragua
4200	71.50	0.2	HCAO5	La Voz del Tomebamba – Ecuador
4285	69.65			Pyongyang – N. Korea
4290	69.63	5	COX7	R. Ministerio de Educacion – Cuba
4568				Moscow – U.S.S.R.

kc/s	Metres	kW		Stations
4580	65.59	0.3	HCFF4	La Voz de Esmeraldas – Ecuador
4590	65.37			Pyongyang – N. Korea
4655	64.80	1	HCAJ2	R. del Ecuador – Ecuador
4675	64.17			Moscow – U.S.S.R.
4700	63.83	0.2	HCGI2	R. El Telegrafo – Ecuador
4705	63.62	0.2	HCBT6	Voz del Tungurahua – Ecuador
4710	63.69	0.2	HCBK2	R. El Mundo – Ecuador
4730	63.50	0.2	HCAS4	La Voz de los Caras – Ecuador
				60 METRE BAND
4750	63.16	5	YVMA	Ecos del Zulia – Venezuela
		0.3	HCEF1	R. Comercial – Ecuador
		1	ZYY3	R. Brasil – Brazil
4760	63.03	0.2	HCFA4	La Voz de Manabi – Ecuador
4765	62.96	3	HJEF	Radiodifusora de Occidente – Col.
4770	62.89	1	YVMW	Ondas del Caribe – Venezuela
		0.2	HCGB5	R. Cordillera – Ecuador
		0.4	CR6RG	R. Diamang – Angola
4780	62.75	1	YVLA	Voz de Carabobo – Venezuela
		0.2	HCPM1	R. El Palomar – Ecuador
		5		R. Malaya – Malaya
4785	62.70	0.5	ZYM8	Radio Ribamar – Brazil
		1	HJAB	Emisoras Unidas – Colombia
		5	HLKA	Soeul – S. Korea
4790	62.63	1	YVQC	Ecos del Orinoco – Venezuela
4795	62.57	1	HJFU	La Voz del Comercio – Colombia
4800	62.50			Johannesburg – S. Africa
		5	YVMF	Ondas del Lago – Venezuela
		0.3	YSDR	R. Tropical – El Salvador
		0.3	HCHV4	Voz de Jipijapa – Ecuador
4805	62.43	0.5	HJDU	University of Antioquia – Colomb.
		5	ZYS8	Radio Difusora Amazonas – Brazil
4807	62.40	7.5	APD2	Dacca – Pakistan
		1	CR5SC	Sao Tomé – Sao Tomé
		1		St. Denis – Reunion
4808	62.35	0.3	APL2	Lahore – Pakistan
4810	62.37	1	YVMG	R. Popular – Venezuela
4815	62.31	3	HJBB	La Voz de Cucuta – Colombia
		7.5	CR7BV	Lourenco Marques – Moz.
4820	62.24	0.2	XEJG	Gobierno del Estado – Mexico
		1	YVNB	Ondas de las Médanos – Venezuela
		5		R. Jamaica – Jamaica
4825	62.18	5		R. Malaya – Malaya
		1	HJED	La Voz del Valle – Colombia
		0.5	ZYE7	R.Educadora de Parnaiba – Brazil
4830	62.11	1	CR6RF	R.Clube de Benguela – Angola
		5	YVDA	Voz del Tachira – Venezuela
		0.2	HCFV6	Ondas del Cotopaxi – Ecuador
4835	62.05	1	HJKE	R. Continental – Colombia
4840	61.98	1.5	YVOI	R. Valera – Venezuela
		0.2	HCMI1	R. Gran Colombia – Ecuador
		0.3	YDV	Den Pasar – Bali
		10	VUB2	Bombay – India
4845	61.92	1	HJGF	R. Bucaramanga – Colombia
		1	CSA93	Ponta Delgada – Azores
		0.5	ZYU8	R. Difusora de Teresina – Brazil
4850	61.86	1	YVMS	R. Universo – Venezuela
		0.2	HCCV3	Ondas del Zamora – Ecuador
4855	61.79	0.3	YDK	Palembang – Sumatra
		6	VQ7LO	Nairobi – Kenya
4860	61.73	0.2		R.Kashmir (N.Regional) – India
		10	JKL	Yamata – Japan
4865	61.66	0.3	YDR	Ambon – Moluccas
*		1	HJFA	La Voz de Pereira – Colombia
*		2	PRC5	R. Clube do Pará – Brazil
4875	61.54	2.5	HJBG	La Voz del Norte – Colombia
4878	61.50			Pietermaritzburg – S. Africa
4880	61.48	10	VUC2	Calcutta – India
		0.2	VUC3	Calcutta – India
		7.5	YVKF	Ondas Populares – Venezuela
4890	61.35	0.03	HI3C	La Voz del Papagayo – Dominican
*		10	YVKB	Radiodifusora Venezuela – Venez.
4895	61.28			Johannesburg – S. Africa
		5	PRF6	R. Baré – Brazil
		2	HJCH	La Voz de la Victor – Colombia
4897	61.26	10	VLX4	Perth – Australia
4900	61.23	0.2		Colombo – Ceylon
		0.2	HCIM1	La Voz de Imbabura – Ecuador
*		1	YVQE	R. Bolivar – Venezuela
		0.2	ZIK2	Belize – Br. Honduras
4905	61.16	1	HJAG	Emisora Atlantico – Colombia
		5	ZYZ20	R. Relogio Federal – Brazil
4910	61.10	0.2	HCAR1	Voz de Montufar – Ecuador
*		1	YVMM	R. Coro – Venezuela

kc/s	Metres	kW		Stations
		5	JKI	Nazaki – Japan
		0.3	YDB2	Djakarta – Java
4911	61.09	7.5	CR7BU	R. Clube de Mozambique – Moz.
4915	61.04	0.3	HCLR5	Voz de Alausi – Ecuador
		5	ZOY	Accra – Gold Coast
4917	61.01	10	VLM4	Brisbane – Australia
4920	60.99	10	VUM2	Madras – India
*		5	YVKR	R. Caracas – Venezuela
4925	60.91	1	HJAP	R. Colonial – Colombia
4930	60.90	1	HCRC1	R. Casa de la Cultura – Ecuador
		1	YDP	Medan – Sumatra
4932	60.83	0.2	CR6RP	R. Club do Cuanza Sul – Angola
4935	60.80	5		R. Poti – Brazil
4940	60.73	10	VUD2	Delhi – India
				Moscow – U.S.S.R.
		4	YVMQ	R. Barquisimeto – Venezuela
		5	JKM	Kawachi – Japan
4945	60.67			Johannesburg – S. Africa
		0.7	HJCW	Emisora Suramerica – Colombia
		3	YDA3	Bandung – Java
4950	60.60	7.5	APD2	Dacca – Pakistan
		5		R. Jamaica – Jamaica
4955	60.55	1	HJCQ	R. Nacional – Colombia
4960	60.48	10	VUD2	Delhi – India
		1	YVQA	R. Sucre – Venezuela
		0.2	HCHP5	Ondas Ecuatorianas – Ecuador
*4965	60.42	1	HJAE	Emisora Fuentes – Colombia
4970	60.36	1.8	YVLK	R. Rumbos – Venezuela
4975	60.30	2.5	ZYY9	R. Timbira – Brazil
4980	60.24	0.2	HCJC5	Ondas Azuayas – Ecuador
*		0.07	HI1A	R. Caribe – Dominican
		0.2	OQ2AC	R. College – Belgian Congo
4985	60.19	0.5	ZYZ5	R. La Voz do Oeste – Brazil
		0.2	DYB2	Bacolod – Philippines
4990	60.12	0.4	HCCD3	Ondas Castellanos – Ecuador
		2	YVMO	R. Occidental – Venezuela
4995	60.07	1	ZYY2	R. Brasil Central – Brazil
		1	ZYY20	R. Difusora do Guaporé – Brazil
5000	60.00	8	WWV	Frequency st. – U.S.A.
		0.4	WWVH	Frequency st. – Hawaii
5010	59.88	0.1	YNCHA	Voz de Carazo – Nicaragua
		20	RW15	Vladivostock – U.S.S.R.
*5017	59.80	3	PJC2	Willemstad – Curaçao
5020	59.76	1	HJFW	Transmisora Manizales – Colomb.
5024	59.71	0.04	CR6RH	R. Clube de Huila – Angola
5025	59.70	0.2	HCBL5	R. Alborada
*5030	59.67	7.5	YVKM	R. Continente – Venezuela
		0.2	HI8Z	Cadena Nacional de Radio – Dom.
		1	YDO	Bandjermasin – Borneo
5033	59.61	1	CR6HA	R. Lobito – Angola
5040	59.52	0.4	YNMV	R. Continental – Nicaragua
5045	59.46	5	ZYP23	R. Quitandinha – Brazil
5050	59.41	5	HJDW	Voz de Medellin – Colombia
*		5	YVKD	R. Cultura – Venezuela
5060	59.30	3	YDJ	Jogjakarta – Java
		25		Frunze – U.S.S.R.
		50		Leningrad – U.S.S.R.
5080	59.06	10		Grozny – U.S.S.R.
5260	57.03			Ulan Bator – Mongolia
5470	55.03	0.3		American Forces Network – Germ.
5480	54.06			Frunze – U.S.S.R.
5599	53.38	25		Stalinabad – U.S.S.R.
5750	52.18	1	CE8AA	Sociedad Nac. de Agricult. – Chile
*5752	52.11	0.3	PZH5	Avros, Paramaribo – Surinam
5758	52.10	0.6	YNJAT	Voz del Aire – Nicaragua
5780	51.90	50		Moscow – U.S.S.R.
5838	51.38	1	CQM4	Bissau – Port. Guinea
*5875	51.06	1	TIGPH	Alma Tica – Costa Rica
		1	HRN	Voz de Honduras – Rep. Honduras
5890	50.93			Cape Town – S. Africa
*5895	50.88	0.4	CR4AA	R. Clube Praia – Cape Verde
5922	50.66	100		Moscow – U.S.S.R.
5925	50.66	1	HRA	Voz de Lempira – Rep. Honduras
5930	50.59	10		Yakutsk – U.S.S.R.
5940	50.51	20	RW15	Khabarovsk – U.S.S.R.
*5945	50.45	0.3	4V2S	R. Port au Prince – Haiti
5952	50.45	5	TGNA	R. Evangelica – Guatemala
5960	50.34	50		Moscow – U.S.S.R.
		1	HJCF	La Voz de Bogota – Colombia
5965	50.28	0.4	YNWW	R. Sport – Nicaragua
		0.3	OAX4S	R. San Christobal – Peru
		100		Paris – France
5968	50.26	25/50	HVJ	Vatican R. – Vatican
5970	50.25	10		Ashkabad – U.S.S.R.
		50	CKNA	Sackville – Canada
*		7.5	HI4T	La Voz Dominicana – Dominicana

kc/s	Metres	kW		Stations
		0.5		La Voz de la Telefunken – Guaten
		1	CP5	R. Illimani – Bolivia
		0.3	CBNX	St. Johns – Canada
5975	50.21	3		Djeddah – Saudi Arabia
5980	50.16	50		Moscow – U.S.S.R.
		60		RAI-R. Italiana – Italy
		25		R. Andorra – Andorra
*5981	50.16	2	ZFY	R. Demerara – Br. Guiana
5984	50.14	0.2	OAX4P	La Voz del Centro del Peru – Per
5985	50.12	10	LRS1	R. Splendid – Argentina
				Shanghai – China
5990	50.08	10	VUD2	Delhi – India
		1	TIQ	R. Casino – Costa Rica
		0.3	HCGY6	R. Luz – Ecuador
5995	50.04	10	HCJB	Voz de los Andes – Ecuador
5995	50.04	1	YNDG	R. Colonial – Nicaragua
		1	HO50	R. Programas Continental – Par
6000	50.00	100	RW59	Moscow – U.S.S.R.
		5	PRK5	R. Inconfidencia – Brazil
		10	HJKD	Emisora Nuevo Mundo – Colombi
		1	DZH4	Manila MBC – Philippine
		20	TAN	Ankara I – Turkey
		0.2	HI9B	Broadc. Hotel Mercedes – Domir
		0.7	OAX2A	R. el Palomar – Peru
		0.25	YSW	La Radio del Pueblo – El Salvado
		0.5		R. Tirol (West) – Austria
		2	CXA2	R. de Montevideo – Uruguay
				49 METRE BAND
6003	49.98	0.2	CSB56	Emis. do Liceu de Pedro Nunes – Portugal
6005	49.96	0.5	4VM	R. Station 4VM – Haiti
		1	HP5K	Voz de la Victor – Panama
		0.08	CFCX	Montreal – Canada
		25/50	HVJ2	Vatican Radio – Vatican
		20		RIAS-Berlin – Germany
6006	49.95	2.5	CNR3	Rabat – Morocco
6010	49.92	2.5	XEOI	R. Mil – Mexico
		10	VUD2	Delhi – India
		5	VUD3	Delhi – India
		30	OLR2A	R. Prague – Czeckoslovakia
		100	RW96	Moscow – U.S.S.R.
		0.5	OAX4V	R. America – Peru
		1	HJFC	La Voz de Armenia – Colombia
*		100		R. Rome – Italy
		0.2	CE601	Emisora Norte – Chile
		50	GRB	London – Gr. Britain
		1	CJCX	Sydney – Canada
6011	49.91	1	OAX4Q	R. Victoria – Peru
6015	49.88	0.4	YNBH	R. Panamericana – Nicaragua
		10	PRA8	R. Clube de Pernambuco – Brazil
		0.2	HCEB4	R. Manta – Ecuador
*6020	49.83	5	HJCX	La Voz de Colombia – Colombia
*		10		R. Free Europe – Germany
		50	WRCA	Bound Brook – U.S.A.
		20	RW15	Khabarovsk – U.S.S.R.
		100		Kiev – U.S.S.R.
		0.2	XEUW	Eco de Sotavento – Mexico
		0.5	HROW	R. Monserrat – Rep. Honduras
6023	49.82	5/10	CR8AB	Goa – Port. India
6024	49.80	4.5		R. AEF – Fr. Equat. Africa
6025	49.79	0.2	HI1J	Ondas Nacionales – Dominicana
		5		R. Malaya – Malaya
		1	ELB1	Monrovia – Liberia
		5		R. Nederland – Holland
6030	49.75	2	DZH6	FEBC Manila – Philippine
		100	RW96	Moscow – U.S.S.R.
		7.5	APD2	Dacca – Pakistan
		25/50	HVJ3	Vatican Radio – Vatican
*		0.25	HP5B	R. Miramar – Panama
		20		Sâddeutscher Rundfunk – Germ.
		0.5	XEKW	Eco de Michoacan – Mexico
		0.1	CFUP	Calgary – Canada
6034	49.71	7.5		Rangoon – Burma
*6035	49.71	0.5		Naumea – New Coledonia
*		30		R. Monte Carlo – Monte Carlo
		0.2	OAX6B	R. Landa – Peru
6035	49.71	1	CXA30	R. Nacional – Uruguay
		50	GWS	London – Gr. Britain
6040	49.67	200	WLWO	Bethany – U.S.A.
		50	KCBR	Delano – U.S.A.
		50	WRUL	Scituate – U.S.A.
		2	ZM2AP	Apia – Samoa
				Moscow – U.S.S.R.
		50	GSY	London – Gr. Britain
		100		Voice of America – Tangier

kc/s	Metres	kW		Stations
6042	49.65	0.2	OAX6A	R. Arequipa – Peru
6045	49.63	0.2	CE604	R. Libertad – Chile
				Moscow – U.S.S.R.
		100	YDF	Djakarta
		0.3	APL2	Lahore – Pakistan
		0.1	XETW	Voz de Tampico – Mexico
6049	49.60	1.3	ZOY	Accra – Gold Coast
6050	49.59	50	GSA	London – Gr. Britain
*		0.7	HI1N	Emisoras Unidas – Dominicana
		0.75	YSR	La Voz de El Salvador – El Salvad.
				Tbilissi – U.S.S.R.
6055	49.55	0.6	YNOW	La Voz de la America C. – Nicarag.
		0.2	DYH4	Dumaguete – Philippines
*		5	HJEX	R. Pacifico – Colombia
				Moscow – U.S.S.R.
		5	CXA14	Servicio de Inform. y Prenca – Uru.
		25/100	HER2	Schwarzenbourg – Switzerland
		10	PRB21	R. Record – Brazil
6060	49.50	50	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		100	RW96	Moscow – U.S.S.R
		0.2	HCAC1	La Voz de la Democracia – Ecuad.
		0.5	HORT	R. Balboa – Panama
		3	VQ7LO	Nairobi – Kenya
		50	GSX	London – Gr. Britain
*		50	CKRZ	Sackville – Canada
		0.1	CP44	R. Popular – Bolivia
		100		Voice of America – Tangier
6062	49.48	0.3		Salzburg (BDN) – Austria
6065	49.46	0.3	HCFQ2	R. Continental – Ecuador
		100	SBO	R. Sweden – Sweden
		0.2	VUM7	Mysore (S. Regional) – India
		0.2	YNEQ	La Voz de la Victoria – Nicaragua
		10	LRA1	R. del Estado – Argentina
6067	49.45	1.5	EA9AH	Tetuan – Spanish Marocco
6070	49.42	100		Sofia – Bulgaria
		0.3	CP18	R. El Condor – Bolivia
		10		Petropavlovsk – U.S.S.R.
		50	GRR	London – Gr. Britain
		1	CFRX	Toronto – Canada
		0.2	HRQ5	Voz de Suyapa – Rep. Honduras
6075	49.38	0.2		Colombo – Ceylon
		2.5	CXA3	R. Ariel – Uruguay
		0.3	APL2	Lahore – Pakistan
		100	KGEI	Belmont – U.S.A.
6080	49.34	75	WLWO	Mason – U.S.A
		25		Vladivostok – U.S.S.R.
6080	49.34	7.5/100		Voice of America (Relay) – Germ.
		0.1	CKFX	Vancouver – Canada
6082	49.32	15	OAX4Z	R. Nacional – Peru
6085	49.30	0.2	VUM1	Madras (S. Regional) – India
		16	ZYK2	R. Jornal do Commercio – Brazil
6087	49.28	0.1	YNRG	Voz de Oriente – Nicaragua
6090	49.26	50	GWM	London – Gr. Britain
		0.3	HOO	La Independiente – Panama
		5		R. Luxembourg – Luxembourg
		100	RW96	Moscow – U.S.S.R.
		2	VLI6	Sidney – Australia
		50	CKOB	Sackville – Canada
		7.5	CBFW	Vercheres – Canada
6092	49.24	7		R. Täbriz – Iran
6095	49.22	2.5	HJFK	La Voz Amiga – Colombia
		10		R. Free Europe – Germany
		100		R. Sweden – Sweden
*		3.5	BED29	Taipeh – Taiwan
		1	YSC	R Mil Veinticinco – El Salvador
		1	OAX4H	R. Mundial – Peru
		25	ZYB7	R. Difusora Sao Paulo – Brazil
*		30	OLR	R. Prague – Czeckoslovakia
6100	49.18	2	YNV	Radiodifusora Nacional – Nicarag.
		50	WRCA	Bound Brook – U.S.A.
				Moscow – U.S.S.R.
		10		R. Belgrade – Yugoslavia
		0.2	DYH3	Cebu City – Philippine
6100	49.18	10		Peking – China
		7.5/100		Voice of America (Relay) – Germ.
6101	49.18	0.5	TGOA	Voz de las Americas – Guatemala
6105	49.14	5	ZYN6	Ceará Radio Clube – Brazil
		5	HJFR	R. Manizales – Colombia
		1		BCOF Kure – Japan
6110	49.10	5	DZI3	Manila – Philippines
*		1		R. Internacional – Tangier
		100	RW96	Moscow – U.S.S.R.
		50	GSL	London – Gr. Britain
6112	49.06	1	HI1Z	Voz de los Muchachos – Dominican
		6.5		R. Omdurman – Sudan

kc/s	Metres	kW		Stations
6115	49.06			Moscow – U.S.S.R.
*		5		Deutschlandsender (U.S.S.R. Z) G.
		7.5/100		R. Warsaw III – Poland
6120	49.02	50	WABC	Brentwood – U.S.A.
				Moscow – U.S.S.R.
		1	CP15	R. El Candor – Bolivia
		10	OIX7	Pori – Finland
		50		Voice of America, Manila – Philip.
		100		Voice of America – Tangier
		10	LRX1	R. El Mundo – Argentina
6122	49.00	0.5	HP5H	La Voz del Pueblo – Panama
6125	48.98	10	CXA4	SODRE – Uruguay
		7.5		Voice of America, Manila – Philip.
		50	GWA	London – Gr. Britain
		1	HRQ	Voz de Suyapa – Rep. Honduras
6128	48.96	0.2	OAX7A	R. Cuzco – Peru
6130	48.94	0.1	XEQH	Cadena R. Continental – Mexico
6130	48.94	100	RW96	Moscow – U.S.S.R.
		0.2	HI1G	Emisoras Hig – Dominicana
*		10		R. Free Europe – Europe
		1	COCD	La Voz del Aire – Cuba
		0.2	HCFB2	R. Nal. Condor – Ecuador
		0.5	CHNX	Halifax – Canada
6135	48.90	1		R. Tahiti – Tahiti
		0.5	CP30	R. Electra – Bolivia
		15	RW96	Moscow – U.S.S.R.
		0.5		R. Baghdad – Iraq
		7.5		R. Malaya – Malaya
		7.5	ZJM4	Sharq al Adna – Cyprus
6140	48.86	50	WRUL	Scituate – U.S.A.
		0.5	HOQQ	Emisora Nacional – Panama
		0.4	YNZZ	R. Mundial – Nicaragua
*		7.5/100		Voice of America (Relay) – Germ.
		1	DYH2	Cebu City – Philippines
*6145	48.82	5	HJDE	Voz de Antioquia – Colombia
		100		Paris – France
6147	48.80	50	PRL9	R. Nacional – Brazil
6150	48.78	5	CE615	R. Cooperativa Vitalicia – Chile
		0.2	TGAZ	R. Continental – Guatemala
		5	VLR6	Melbourne – Australia
				Moscow – U.S.S.R.
		0.3	CP12	R. Fides – Bolivia
		0.2	TIRH	R. El Mundo – Costa Rica
		50	GRW	London – Gr. Britain
		0.3	YSP	La Voz de Cuscatlan – El Salvador
		2	CKRO	Winnipeg – Canada
6154	48.74			Chungking – China
		2		R. Renascenca – Portugal
6155	48.74	2	EQB	R. Tehran – Iran
		10	CXA13	R. Carve – Uruguay
		0.2		Vienna III (RAVAG) – Austria
6160	48.70	0.2	HI1R	Voz de Funducion–Dominican
*		10	HJKJ	Emisora Nueva Granada – Colomb.
		100	RW96	Moscow – U.S.S.R.
		10		Bayerische Rundfunk – Germany
		100		Honolulu – Hawaii
		50	CHAC	Sackville – Canada
		0.1	CBRX	Vancouver – Canada
6165	48.66	20		Damascus – Syria
*		0.4	4VCM	La M.B.C. – Haiti
		7.5	APD2	Dacca – Pakistan
		1		R. Hanoi – Vietnam
		25/100	HER3	Schwarzenbourg – Switzerland
		50	GWK	London – Gr. Britain
		2	TILS	Para Ti – Costa Rica
6170	48.62	50	WABC	Brentwood – U.S.A.
		50	KCBR	Delano – U.S.A.
		10	YKVO	Radiodifusora Nacional – Venezuel.
		30	OLR2D	R. Prague – Czeckoslovakia
		0.3	OAX4B	R. Azul – Peru
			OAX5E	R. Chincha – Peru
		0.3	YSHQ	La Voz del Progreso – El Salvador
		1	CXA21	R. Fenix – Uruguay
		50	GSZ	London – Gr. Britain
		0.2	DUH2	The Peoples St., Manila – Philipp.
6170	48.62	7.5	ZJM5	Sharq al Adna – Cyprus
		7.5/100		Voice of America (Relay) – Germ.
6172	48.60	1	FIQA	Tananarive – Madagascar
6175	48.58	0.3	HOB	R. Panamericana – Panama
		0.1	XEXA	R. Gobernacion – Mexico
		15/100		BFEBS – Malaya
		20	JKI	Nazaki (AFRS) – Japan
				Moscow – U.S.S.R.
6177	48.56	7.5		Athens (NBI) – Greece
		1		R. Tela – Rep. Honduras
6180	48.54	0.2	YSMA	La Voz Sup. de Occid. – El Salvad.

kc/s	Metres	kW		Stations
6180	48.54	10		Ashkabad – U.S.S.R.
		50	GRO	London – Gr. Britain
		1		Voice of Vietnam – Viet-Nam
		0.2	TGXX	R. Ciros – Guatemala
		3	TIGPH4	Nueva Alma Tica – Costa Rica
		10	LRM	R. Aconcagua – Argentina
		1		Voice of Vietnam – Vietnam
6185	48.50	0.2	YNVP	La Voz de Nicaragua – Nicaragua
		0.5	CP9	R. Amauta – Bolivia
		50	KRCA	Dixon – U.S.A.
				Moscow – U.S.S.R.
		0.2	HCFM1	R. Equinoccial – Ecuador
		0.05	XECC	Impulsoras del Progreso – Mexico
		10	LLI	R. Norway – Norway
6187	48.49	1	HRQ	R. Progresso – Rep. Honduras
6190	48.47	1	CE619	R. Corporacion – Chile
		0.2	CP37	R. Oruro – Bolivia
		1.5		Hessische Rundfunk – Germany
		0.2	OAX4G	R. Lima – Peru
		25/50	HVJ4	Vatican R. – Vatican
				Moscow – U.S.S.R.
		50	WRCA	Bound Brook – U.S.A.
		10	VUD2	Delhi – India
		100	VUD7	Delhi – India
		0.1	HI9T	Broadcasting Tropical – Dominic.
6195	48.43	100		Honolulu – Hawaii
		50	GRN	London – Gr. Britain
6198	48.40	0.4	OAX1B	R. Piura – Peru
*6200	48.39	10	HJCT	R. Nacional – Colombia
		0.3		Jannina (FBS) – Greece
		10		Paris – France
		1	TGBA	Voz del Pacifico – Guatemala
		1	CR6RJ	R. Clube de Huila – Angola
6210	48.31	5		Romania Libera – Rumania
6220	48.23	100		R. Warsaw III – Poland
		5	CE622	Sociedad Nac. de Mineria – Chile
		10		Alma Ata – U.S.S.R.
		0.3	HCLT2	Radiodifusora Costa Azul – Ecuad.
6225	48.19	0.5	TGJA	R. Nuevo Mundo – Guatemala
6235	48.12	0.3	HRD2	Voz de Atlantica – Rep. Honduras
6240	48.08	1	HS8PD	Bangkok – Thailand
		60		R. A. I. R. Italiana – Italy
*6248	48.02	100		Budapest – Hungary
*6250	48.00	0.7	YSUA	R. Mil Cincuenta – El Salvador
6255	47.96	0.1	TGRA	Voz de la Guardia Civil – Guatem.
*6260	47.90	60		RAI, R. Italiana – Italy
6270	47.84	0.1		Tripolis (FBS) – Greece
6275	47.81	2	ZPA1	R. Nacional – Paraguay
6280	47.77			Moscow – U.S.S.R.
6285	47.73	1	TGTQ	R. Internacional – Guatemala
6295	47.66	1	TGLA	Voz de Centro America – Guatem.
		3	OTM1	R. Congo Belge – Belgian Congo
6300	47.62	0.1	YNAS	Ondas del Xolotlan – Nicaragua
		0.1	4VWA	R. Citadelle – Haiti
6307	47.50	1	OAX4H	R. Mundial – Peru
6310	47.55	0.1	4VCP	R. Station 4VCP – Haiti
6320	47.47	1		Südwestfunk – Germany
*6322	47.46	1	COCW	Cadena Roja – Cuba
6330	47.39	1	OAX4L	R. Miraflores – Peru
6335	47.37	1	OAX6E	R. Continental – Peru
*		0.5	TGTA	R. Bolivar – Guatemala
6340	47.32	0.2		Athens (FBS) – Greece
6351	47.24	0.6	HRP1	El Eco de Honduras – Rep. Hund.
*6360	47.16	10		R. Nacional – Portugal
*6374	47.07	10		R. Nacional – Portugal
6400	46.86	0.2	HCRL2	R. Quinta Piedad – Ecuador
				Sian – China
6401	46.87	0.5	TGQA	Voz de Quezaltenango – Guatemala
6406	46.83	0.1	4VCN	R. Fides – Haiti
6410	46.80	0.6	HRLP	Voz Popular – Rep. Honduras
*6440	46.58	1	TGWB	Voz de Guatemala – Guatemala
6450	46.51	1	COCY	Cadena Azul – Cuba
6564	45.70	0.2	OAX4C	La Voz del Primer Puerto del Peru
6570	45.52	0.1		Tirana – Albania
6620	45.32	1	TG2	R. Morse – Guatemala
6645	45.16			Wuhan – China
6665	45.01	0.2	TGZA	R. Oriental – Guatemala
6672	44.07	20	HBQ	United Nations – Switzerland
6675	44.95	2	HROW	R. Monserrat – Rep. Honduras
6700	44.78	100		Moscow – U.S.S.R.
6701	44.78	0.2	OAX1A	R. Delcar – Peru
6710	44.64	0.2	YNAC	R. Pax – Nicaragua
6725	44.61	1	4XB44	Galei Zahal – Israel
*6745	44.50	0.3		Larissa (FBS) – Greece
6790	44.18	7.5	ZJM6	Sharq al Adna – Cyprus
6825	43.96	15	RW100	Tashkent – U.S.S.R.

kc/s	Metres	kW		Stations
*6830	43.82	2.5	4XB21	Tel Aviv – Israel
6860	43.73	0.4	CR6RG	R. Diamang – Angola
		0.5	TGRB	Voz de Guardia Civil – Guatemala
6870	43.67	10		Alma Ata – U.S.S.R
				41 METRES BAND
6993	42.90	1	CQM7	Bissau – Portug. Guinea
7000	42.86	1	BED	Taipeh – Taiwan
7006	42.83	0.5		R. Falange de Valladolid – Spain
7010	42.80	50	APK3	Karachi – Pakistan
*7018	42.75	10		R. Nacional – Portugal
*7022	42.72	2		R. Malaga – Spain
7030	42.67	0.05		Makronissos (FBS) – Greece
*7037	42.63	1		R. Mediterraneo – Spain
7049	42.56	10		R. Nacional – Portugal
*7058	42.50	0.5		Salonika (FBS) – Greece
7062	42.48	0.5		R. Baghdad – Iraq
7075	42.40	50	GRS	London – Gr. Britain
7090	42.31	12		Voice of Vietnam – Vietnam
7092	42.30	16		R. Baghdad – Iraq
7094	42.29	1	OX1	Godthaab – Greenland
7096	42.27	50	APK3	Karachi – Pakistan
7100	42.25	0.1		R. Martorell (SEU) – Spain
7100	42.25	0.8		R. Menorca (SEU) – Spain
		0.2		R. Murcia (SEU) – Spain
		10		Peking – China
		20		Khabarovsk – U.S.S.R.
				Moscow – U.S.S.R.
		1	YDJ2	Jogjakarta
		0.5		Katmanduran – Nepal
7101	42.23	10		R. Africa – Tangier
7110	42.19	60		R. Rome – Italy
		0.7		Ramallah – Transjordan
7115	42.16			Moscow – U.S.S.R.
7120	42.13	100	VUD5	Delhi – India
		15/100		BFEBS – Malaya
		50	GRM	London – Gr. Britain
7125	42.10	2	VQ6MI	Hargeisa – Br. Somali
7126	42.10	0.5		Hollandia – New Guinea (Dutch)
*7130	42.08	20	BED7	Taipeh – Taiwan
7140	42.02	0.6	CR6RE	R. Clube de Malange – Angola
*		1	EDV10	R. SEU – Spain
7142	42.01	1	CR6RN	R. Clube de Angola – Angola
7145	41.99	0.05		Chania – Greece
*7150	41.96	5		Deutschlandsender – Germany
		0.2	OQ2AB	R. Elizabeth – Belgian Congo
		10		Erivan – U.S.S.R.
		50	GRT	London – Gr. Britain
7152	41.95	0.1	CR6RD	R. Clube de Huambo – Angola
7155	41.93	100	VUD7	Delhi – India
7160	41.89	100		Paris – France
7161	41.89	1	CR6RB	R. Club de Benguela – Angola
*7165	41.87	100		Moscow – U.S.S.R.
7165	41.80	10		R. Free Europe – Germany
7170	41.84	0.1		St. Denis – Reunion
7175	41.82			Moscow – U.S.S.R.
7177	41.80	1.0	CR6AA	R. Lobito – Angola
7180	41.78			Moscow – U.S.S.R.
		0.7	CR6RK	R. Club do Sul de Angola – Angola
		0.03	CR4AB	R. Clube Mindelo – Cape Verde
		0.4		Nairobi (FBS) – Kenya
7185	41.75	50	GRK	London – Gr. Britain
7190	41.72	7.5		Colombo – Ceylon
7198	41.68	25		Stalinabad – U.S.S.R.
7199	41.68	0.3	CR7IB	Aeroclube da Beira – Moz.
7200	41.67	100	RW96	Moscow – U.S.S.R.
		0.2	OQ2AC	R. College – Belgian Congo
		50	GWZ	London – Gr. Britain
*		0.6		R. Cadiz (SEU) – Spain
		5		R. Malaya – Malaya
		0.5		R. Santa Isabel – Span. Guinea
		50/100		Voice of America – Tangier
7203	41.65	1	CR6RO	R. Clube do Bié – Angola
7205	41.64	1		R. Hué – Vietnam
		75/100		R. Warsaw III – Poland
7210	41.61	10	VUC2	Calcutta – India
		0.2	VUC3	Calcutta – India
		50	GWL	London – Gr. Britain
		25/100	HEI3	Schwarzenbourg – Switzerland
		10	LLS	R. Norway – Norway
7214	41.59	100		Voice of America – Tangier
*7220	41.55	100		Budapest – Hungary
7220	41.55	100	YDF5	Djakarta
		2.5	ZQP	Lusaka – N. Rhodesia
		50		Moscow – U.S.S.R.
		100		Voice of America – Tangier

kc/s	Metres	kW		Stations
7225	41.52	20	VUD10	Delhi – India
		50		Moscow – U.S.S.R.
7230	41.49	25		R. France Asia – Vietnam
				Johannesburg – S. Africa
		50	GSW	London – Gr. Britain
		0.5	CR6RM	R. Clube de Mocamedes – Angola
		0.2		R. Falange de Oviedo – Spain
7235	41.47	100		Moscow – U.S.S.R.
7240	41.44	100		Paris – France
		50	VLC7	Shepparton – Australia
		20	VUD10	Delhi – India
		10	VUB2	Bombay – India
		0.2	VUB3	Bombay – India
		20	TAM	Ankara I – Turkey
		10	LLR	R. Norway – Norway
7245	41.41	0.3		Vienna IV (RAVAG) – Austria
				Moscow – U.S.S.R.
7250	41.38	5		R. Malaya – Malaya
		0.3	APL2	Lahore – Pakistan
		25/50	HVG5	Vatican R. – Vatican
		50	GWI	London – Gr. Britain
		75/100		Voice of America (Relay) – Germ.
7255	41.36			Cape Town – S. Africa
7255	41.36	1		Lagos – Nigeria
7257	41.34	5	JKH	Yamata – Japan
7260	41.32	100	VUD5	Delhi – India
		10	VUM2	Madras – India
		0.2	VUM3	Madras – India
		50		Moscow – U.S.S.R.
*		50		The Voice of Denmark – Denmark
		50	GSU	London – Gr. Britain
7265	41.29	1		R. Dalat – Vietnam
		50		Moscow – U.S.S.R.
*7267	41.28	0.5	EA8AB	R. Club de Tenerife – Canary Isl.
7270	41.27	12		R. Sweden – Sweden
		25/50	HVJ6	Vatican R. – Vatican
		0.2		R. Kashmir – India
		1	YSO	Voz de la Democracia – E. Salv.
		3	YDB3	Djakarta
		50		Moscow – U.S.S.R.
7270	41.27	100		Voice of America – Tangier
7275	41.24			Johannesburg – S. Africa
7275	41.24	7.5	VUD8	Delhi – India
		7.5	VUD9	Delhi – India
7280	41.21	2	VLT7	Port Moresby – New Guinea
		100		Paris – France
		50	GWN	London – Gr. Britain
		100		Minsk – U.S.S.R.
		0.3	DXH2	The Voice of Davao – Philippines
		25/50	HVJ7	Vatican R. – Vatican
		100	VLA7	Shepparton – Australia
		50	VLC7	Shepparton – Australia
7281	41.20	0.1		R. Igualada (SEU) – Spain
7283	41.19	0.2		R. Alerta
7285	41.18	15	ZEAK	Salisbury – S. Rhodesia
		100	TAS	Ankara II – Turkey
		5	JKJ	Nazaki Network II – Japan
7290	41.15	10	VUD2	Delhi – India
		7.5	VUD8	Delhi – India
*		0.4/20		N.W.D.R. – Germany
7295	41.12	0.3	YDQ3	Makassar
		100	RW96	Moscow – U.S.S.R.
				Johannesburg – S. Africa
7300	41.10	0.2	YNFT	Voz de la Sultana – Nicaragua
		50		Moscow – U.S.S.R.
		10		R. Free Europe – Germany
*		7.5		Athens (NBI) – Greece
7305	41.06	7.5	CR7BC	R. Clube de Mozambique – Moz.
7310	41.04	50		Moscow – U.S.S.R.
7312	41.03	7.5	CR7AA	R. Clube de Mozambique – Moz.
7320	40.98	50		Moscow – U.S.S.R.
		50	GRJ	London – Gr. Britain
7325	40.95	50		Moscow – U.S.S.R.
7330	40.93	50		Kharkov – U.S.S.R.
7340	40.87	50		Leningrad – U.S.S.R.
7350	40.81	0.2	HCAN2	R. Cenit – Ecuador
7360	40.76	100		Moscow – U.S.S.R.
		0.2	YNAO	Ecos del Aire – Nicaragua
7365	40.74	50		Moscow – U.S.S.R.
7375	40.68	0.2	FIQA	Tananarive – Madagasca
7380	40.65	1		La Voz de Falange – Spain
7400	40.54	0.5	YNAM	Academia Militar – Nicaragua
7400	40.54	3.5		Taipeh – Taiwan
		5		Pan American Radio – Tangier
7415	40.47	0.1	YNXA	Ondas Culturales – Nicaragua
7420	40.45	1		Mogodishu – Ital. Somali.

kc/s	Metres	kW		Stations
7440	40.32	25		Stalinabad – U.S.S.R.
7447	40.29	0.05	FG8HA	R. Guadeloupe – Guadeloupe
7460	40.21	0.1	YNTZ	R. Masaya – Nicaragua
7470	40.16	0.5	TGDA	Voz de Occidente – Guatemala
7480	40.11	10		Alma Ata – U.S.S.R.
7500	40.00	0.2		R. Alerta – Spain
		10		Peking – China
7517	39.90	0.1	YNRL	La Voz de la Victoria – Nicaragua
7535	39.81	5		Pan American Radio – Tangier
7547	39.75	5	ZNX32	Bridgetown – Barbados
7570	39.63	0.5	OZL	Angmagssalik – Greenland
7580	39.58	1	OX1	Godthaab – Greenland
		0.3		Cavalla (FBS) – Greece
7595	39.50	0.1		Korça – Albania
*7625	39.34	0.4	YNLAT	Voz del Mombacho – Nicaragua
7650	39.22			Leningrad – U.S.S.R.
7655	39.18	7.5	APD2	Dacca – Pakistan
7660	39.16	1	CEZ7C	R. Yungay – Chile
				Mukden – China
7668	39.12	7.5	APD2	Dacca – Pakistan
7670	39.11	100		Sofia – Bulgaria
7790	38.52	100		Moscow – U.S.S.R.
*7850	38.20	3		Tirana – Albania
7867	38.13	10	SUX	Cairo – Egypt
7933	37.80	5	HLKA	Soeul – Korea
*7935	37.81	1.5	PSL	Agencia Nacional – Brazil
7940	37.78	1.2		Alicante Levante – Spain
7940	37.78	0.7		R. Falange de Alicante – Spain
7950	37.74	0.3		Kozani (FBS) – Greece
8000	37.50			Ulan Bator – Mongolia
		2	JJY	Frequency st. – Japan
8007	37.46	0.1	YNMG	Voz de Jinotepe – Nicaragua
*8036	37.34	2.5		Beirut – Lebanon
8170	36.72	0.25	4XB24	Haifa – Israel
*8215	36.52	0.2		Shkodra – Albania
8230	36.45	0.2	ZNB	Mafeking – S. Africa
8250	36.36	0.1	YNXW	R. America – Nicaragua
8266	36.30	5	VED	Edmonton – Canada
8300	36.10	0.4	CR6RG	R. Diamang – Angola
8500	35.30	0.1		Vlore – Albania
8645	34.58	50	APK3	Karachi – Pakistan
		50		Moscow – U.S.S.R.
8663	34.63	1	COJK	Voz de Camagüyano – Cuba
8700	34.42	5	COCO	Periodico del Aire – Cuba
8760	34.24	50		Moscow – U.S.S.R.
8790	34.13	50		Moscow – U.S.S.R.
8810	34.04	50		Moscow U.S.S.R.
8820	34.01	20		Khabarovsk – U.S.S.R.
8825	33.92	1	COCQ	Circuito CMQ – Cuba
8910	33.67	100		Moscow – U.S.S.R.
8955	33.50	1.2	COKG	Cadena Oriental de Radio – Cuba
8984	33.88	0.1	4VPL	La P. B. S. – Haiti
8990	33.37	3.5		Taipeh – Taiwan
*		0.2	HRXW	R. Comayagüelá – Rep. Honduras
9009	33.30	7.5	4XB31	Tel Aviv – Israel
*9030	33.22	1	COBZ	R. Salas – Cuba
*9040	33.19	10		Peking – China
*9210	32.57	7.5	OTH	R. Congo Belge – Belgian Congo
9235	32.49	1	COBQ	Loma del Mazo – Cuba
*9252	32.43	4		Romania Libera – Rumania
9255	32.39	50		Moscow – U.S.S.R.
9273	32.33	1	COCX	Emisora del Pueblo – Cuba
9290	32.28	5	PRN9	R. Federal de S. Publica – Brazil
9320	32.19	10	LRS	R. Splendid – Argentina
*9330	32.15	1	OAX4J	R. Colonial – Peru
		25		R. Andorra (inactive) – Andorra
9340	32.10	0.4	CR6RG	R. Diamang – Angola
*		10		Alma Ata – U.S.S.R.
*9362	32.05	1	COBC	R. Progreso – Cuba
*9363	32.04	40		R. Nacional de Espana – Spain
9368	32.02	50		Moscow – U.S.S.R.
9378	31.99	20		Khabarovsk – U.S.S.R.
9380	31.98	10		Alma Ata – U.S.S.R.
*		20	OTM2	R. Congo Belge – Belgian Congo
9410	31.88			Leningrad – U.S.S.R.
		50	GRI	London – Gr. Britain
9435	31.80	50		Moscow – U.S.S.R.
*9437	31.80	1	COCH	Union Radio – Cuba
*9440	31.78	7		R. Brazzaville – Fr. Equat. Africa
9445	31.77	50	APK3	Karachi – Pakistan
9455	31.75	50	LRA	S.I.R.A. – Argentina
*		50	LRY	R. Belgrano – Argentina
9465	31.70	20	TAP	Ankara I – Turkey
9470	31.68	50		Moscow – U.S.S.R.
9480	31.65	50		Moscow – U.S.S.R.
		20		Vladivostok – U.S.S.R.

kc/s	Metres	kW		Stations
				Sian – China
9484	31.63	50	APK3	Karachi – Pakistan
9490	31.61	15	ZEAL	Salisbury – S. Rhodesia
9500	31.58	100		Minsk – U.S.S.R.
		1		Macau – Port. China
		1	CP6	R. Illimani – Bolivia
		0.1	OAX6H	R. Tacna – Peru
		0.2	DZH3	Manila – Philippine
*		10	XEWW	La Voz de la Am. Latina – Mexico
9502	31.57	0.3	CR6RF	R. Clube de Benguela – Angola
*9504	31.57	30	OLR3B	R. Prague – Czechoslovakia
9505	31.56	1	CP38	La Cruz del Sur – Bolivia
		10	PRB22	R. Record – Brzail
		10		R. Belgrade – Yugoslavia
		0.25	HOLA	R. Atlantico – Panama
		7.5	JBD	Kawachi – Japan
9510	31.55	0.5	OAX4W	R. America – Peru
		50	GSB	London – Gr. Britain
9515	31.53	200	KRCA	Dixon – U.S.A.
		100	TAT	Ankara II – Turkey
		5	COCQ	Periodico del Aire – Cuba
		1	FIQA	Tananarive – Madagascar
9520	31.51	10	VLT9	Port Moresby – Australia
		200	WLWO	Bethany – U.S.A.
		10	HJKF	Emisora Nuevo Mundo – Colombia
		50		The Voice of Denmark – Denmark
		7.5	CBFR	Vercheres – Canada
9523	31.50			Johannesburg – S. Africa
9524	31.50	25		R. France Asie – Vietnam
9525	31.50	0.5	HI2L	Voz del Tropico – Dominicana
		50	GWJ	London – Gr. Britain
		2.5	ZBW3	Hong-Kong – China
		7.5/100		R. Warsaw III – Poland
9530	31.48	100	WGEO	Schenectady – U.S.A.
		50	WABC	Brentwood – U.S.A.
		10	VUC2	Calcutta (E. Regional) – India
		0.2	VUC3	Calcutta – (E. Regional) – India
*		50		Moscow – U.S.S.R.
		50		Voice of America, Manila – Philip.
		100		Honolulu – Hawaii
9535	31.46	25/100	HER4	Schwarzenburg – Switzerland
		100	SBU	R. Sweden – Sweden
9540	31.45	7.5	ZL2	Wellington – New Zealand
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		2	VLI9	Sidney – Australia
		50		Moscow – U.S.S.R.
		10	LKJ	R. Norway – Norway
		0.2	VE9AJ	Edmonton – Canada
		7.5/100		Voice of America – Germany
		0.5	YSLL	San Salvador en el Aire – El. Salvd.
		100		Voice of America – Tangier
9543	31.44	7.5		Rangoon – Burma
9545	31.43	0.5	OAX4K	R. Central – Peru
		50		Moscow – U.S.S.R.
		0.2	XEFT	Voz de Veracruz – Mexico
9550	31.41	25/50	HVJ8	Vatican R. – Vatican
*		8	YDQ2	Makasaar
		20	VUD10	Delhi – India
		10	VUB2	Bombay – India
		0.2	VUB3	Bombay – India
		30	ORL3A	R. Prague – Czechoslovakia
		100		Paris – France
		50	WRCA	Bound Brook – U.S.A.
		100	WGEO	Schenectady – U.S.A.
		0.3		Rizal – Philippines
		50	GWB	London – Gr. Britain
9555	31.40	20		Damascus – Turkey
		15	OIX2	Pori – Finland
*		0.5	XETT	La Hora Exacta – Mexico
	31.39	10		Cairo – Egypt
9560	31.38	100		Voice of America – Tangier
		200	WLWO	Bethany – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		100		Paris – France
		0.3	OAX5C	R. Libertad – Peru
		5	JBD2	Kawachi – Japan
9562	31.37	50	OAX4T	R. Nacional – Peru
9565	31.36	100	VUD7	Delhi – India
*		16	ZYK3	R. Jornal do Commercio – Brazil
		25		Komsomolsk – U.S.S.R.
9570	31.34	25		Algiers OCI – Algeria
*		60		R. Rome – Italy

kc/s	Metres	kW		Stations
		100	KWID	San Francisco – U.S.A.
		50	WBOS	Hull – U.S.A.
		0.3	CP21	R. La Plata – Bolivia
		50	GWK	London – Gr. Britain
		0.2	DUH3	Manila – Philippines
		7.5/100		R. Warsaw III – Poland
9580	31.32	100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		50	GSC	London – Gr. Britain
		100	YDF6	Djakarta – Java
9585	31.30	50		Moscow – U.S.S.R.
9590	31.28	0.2	HI2G	Emisoras Hig – Dominicana
		5	VUD3	Delhi – India
		100	VUD7	Delhi – India
		10	VUM2	Madras – India
		0.2	VUM3	Madras – India
*		50	WABC	Brentwood – U.S.A.
		35		R. Nederland – Holland
*9600	31.25	0.2	XEYU	Universidad Nacional – Mexico
*		50	GRY	London – Gr. Britain
		200	KCBR	Delano – U.S.A.
		1	CE960	R. La Americana – Chile
				Johannesburg – S. Africa
		50		Leningrad – U.S.S.R.
9605	31.24	10	JKL2	Yamata A.F.R.S. – Japan
*9607	31.23	0.5	HP5J	Voz de Panama – Panama
	31.22	7.5		R. Free Europe – Germany
		7.5		Athens (NBI) – Greece
9610	31.22	2	VLW9	Perth – Australia
		10	VLX9	Perth – Australia
		50		Moscow – U.S.S.R.
		25	ZYC8	R. Tamoio – Braz
		5/10	CR8AB	Goa – Port. India
				Cape Town – S. Africa
		5	XERQ	Cadena R. Continental – Mexico
		10	LLG	R. Norway – Norway
		7.5	CBFX	Vercheres – Canada
		50	CHLS	Sackville – Canada
9612	31.21	1	CR6RL	R. Clube de Angola – Angola
9615	31.20	100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		50	WRCA	Bound Brook – U.S.A.
		2	TIPG	Voz de la Victor – Costa Rica
		100		Voice of America – Tangier
9617	31.20	0.3		Salzburg (BDN) – Austria
9620	31.19	15	RW96	Moscow – U.S.S.R.
		20	CXA6	S.O.D.R.E. – Uruguay
		7.5	ZL8	Wellington – New Zealand
		100	VUD5	Delhi – India
		100	VUD7	Delhi – India
		12		Voice of Vietnam – Vietnam
		100		R. Sweden – Sweden
*		100		Paris – France
9620	31.19	1	ETA	Voice of Ethiopia – Ethiopia
9625	31.17	50	GWO	London – Gr. Britain
		0.5	VP4RD	R. Trinidad – Trinidad
		10	XEBT	Las Emisoras de America – Mexico
9630	31.15	10	VUD2	Delhi – India
		5	VUD3	Delhi – India
		10	VUD4	Delhi – India
		20	VUD10	Delhi – India
		20	VUD11	Delhi – India
		0.3		Freetown – Sierra Leone
		50	CKLO	Sackville – Canada
		7.5	CBFO	Vercheres – Canada
*		100		R. Rome – Italy
9635	31.14	7.5/100		Voice of America – Germany
9640	31.12	1	DZH2	Manila MBC – Philippine
		3	CXA8	R. Real de S. Carlos – Uruguay
		50		Moscow – U.S.S.R.
		5	COX4	Ministerio de Educacion – Cuba
		50	GVZ	London – Gr. Britain
9645	31.10	1	TIFC	Faro del Caribe – Costa Rica
		50	APK3	Karachi – Pakistan
		0.3	HOJA	R. Provincias – Panama
		10	LLH	R. Norway – Norway
*9646	31.10	25/50	HVJ9	Vatican R. – Vatican
9650	31.09	200	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		100		Honolulu – Hawaii
		20		Moscow – U.S.S.R.
		3		Djeddah – Saudi Arabia
		100	VLB9	Shepparton – Australia
		100		Voice of America – Tangier

kc/s	Metres	kW		Stations
		7.5		Sharq-al-Adua – Cyprus
9655	31.07	5	JKI2	Nazaki – Japan
		0.3		Lagos – Nigeria
		50		Moscow – U.S.S.R.
9657	31.06	1	FIA6]	R. Douala – Cameroon
9660	31.06	10	VLQ9	Brisbane – Australia
		10	VUD2	Delhi – India
		7.5	VUD8	Delhi – India
		7.5	VUD9	Delhi – India
		20	VUD10	Delhi – India
		100		Moscow – U.S.S.R.
		25/50	HVJ10	Vatican R. – Vatican
		10	LRX	R. El Mundo – Argentina
		50	GWP	London – Gr. Britain
		7.5	HOXC	R. Centro Americana – Panama
9665	31.04	0.3		Vienna I (RAVAG) – Austria
		25/100	HEU3	Schwarzenburg – Switzerland
*9668	31.03	5	TGNB	R. Evangelica – Guatemala
9670	31.02	5	VUD3	Delhi – India
		7.5	VUD9	Delhi – India
		100		Moscow – U.S.S.R.
		50	KGEI	Belmont – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		50		R. Nacional – Portugal
		7.5/100		Voice of America – Germany
		60		R. Rome – Italy
		1		R. Hanoi – China
9675	31.01	50	GWT	London – Gr. Britain
9680	30.99	1	XEQQ	La Cadena Azul – Mexico
		20	EQC	R. Tehran – Iran
		100		Moscow – U.S.S.R.
		100	VLA9	Shepparton – Australia
		100	VLB9	Shepparton – Australia
		50	VLC9	Shepparton – Australia
		10	VLG9	Lyndhurst – Australia
		5	VLR9	Melbourne – Australia
		10	VLH9	Melbourne – Australia
		5	VUD3	Delhi – India
		7.5	VUD8	Delhi – India
		7.5	VUD9	Delhi – India
		20	VUD11	Delhi – India
		1	HI2A	Voz de la Reeleccion – Dominicana
*		100		Paris – France
9685	30.98	100		Voice of America – Tangier
9690	30.96	50	GRX	London – Gr. Britain
		0.2	DZH5	Voice of Catholic – Philipp.
		15/100		BEFBS – Malaya
		15	RW97	Novosibirsk – U.S.S.R.
		50		Moscow – U.S.S.R.
		100	LRA	S.I.R.A. – Argentina
		10	LRA1	R. del Estado – Argentina
9692	30.95	3	TINRH	La Voz de Costa Rica – Costa Rica
9693	30.95	0.2	FIQA	Tananarive – Madagascar
9695	30.94	5	JKM2	Kawachi – Japan
9700	30.93	0.4	FNRI	R. Martinique – Martinique
		50	KCBR	Delano – U.S.A.
*		200	WLWO	Bethany – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		1	CE970	R. Cooperativa Vitalicia – Chile
9700	30.93	100		Sofia – Bulgaria
		50	GWY	London – Gr. Britain
		100		Voice of America – Tangier
9710	30.90	50		Moscow – U.S.S.R.
		0.7	4VEH	R. Station 4VEH – Haiti
		50	CHLR	Sackville – Canada
		0.4	ZQP	Lusaka – N. Rhodesia
		100		Rome – Italy
9714	30.88	1	TIOCHO	La Voz del Hogar – Costa Rica
9715	30.88	2	YVN	Radiodifusora Nacional – Nicaragua
9720	30.86	100	VUD7	Delhi – India
		50		Leningrad – U.S.S.R.
		50	PRL7	R. Nacional – Brazil
9725	30.85	100		Moscow – U.S.S.R.
9727	30.84	7.5	HI2T	La Voz Dominicana – Dominicana
9730	30.83	2	DZH7	Manila FEBC – Philippine
		12.5		Mitteldeutscher Rundfunk – Germ.
				Shanghai – China
9732	30.83	7.5	CR7BJ	R. Clube de Mozambique – Moz.
9735	30.82	1	ZPA4	R. Stentor – Paraguay
9740	30.80	100		Moscow – U.S.S.R.
*		50		R. Nacional – Portugal
*9745	30.78	50	OTC2	Leopoldville – Belgian Congo
*9746	30.78	50		R. Nacional – Portugal
		6.5		R. Omdurman – Sudan
9750	30.77	25		R. France Asie – Vietnam

kc/s	Metres	kW		Stations
		50		Leningrad – U.S.S.R.
9755	30.76	100		Paris – France
*		50	APK3]	Karachi – Pakistan
9755	30.76	1	CR6RJ	R. Clube de Huila – Angola
*9760	30.74	10	TGWA	Voz de Guatemala – Guatemala
		100		Moscow – U.S.S.R.
9770	30.70	1	PRL4	R. Ministerio da Educacao – Brazil
		100		Moscow – U.S.S.R.
9780	30.67	100		Moscow – U.S.S.R.
		60		R. Rome – Italy
9785	30.65	100		Moscow – U.S.S.R.
*		30		R. Monte Carlo – Monte Carlo
9790	30.62	100		Moscow – U.S.S.R.
9800	30.61	100		Moscow – U.S.S.R.
		50	OTC6	Leopoldville – Belgian Congo
9825	30.53	50	GRH	London – Gr. Britain
9833	30.51	1	COBL	R. Cadena Suaritas – Cuba
		100		Budapest – Hungary
9850	30.46	100		Moscow – U.S.S.R.
9855	30.44	10	CR7BG	Lourenco Marques – Mozambique
9870	30.40			Johannesburg – S. Africa
9880	30.36	100		Moscow – U.S.S.R.
9915	30.26	50	GRU	London – Gr. Britain
*9970	30.08	10	HCJB	Voz de los Andes – Ecuador
		1.5		R.AEF. – Fr. Equat. Africa
9975	30.08	10		R. Kabul – Afghanistan
10000	30.00	9	WWV	Frequency st. – U.S.A.
		0.4	WWVH	Frequency st. – Hawaii
10055	29.83	10	SUX	Cairo Egypt
10130	29.61	0.3	4VRW	R. Station 4VRW – Haiti
10200	29.42			Taipeh – Taiwan
10220	29.35	1.5	PSH	Agencia Nacional – Brazil
10260	29.24	10		Peking – China
10780	27.83	100	SDB2	R. Sweden – Sweden
11000	27.27			Chungking – China
11027	27.21	50		R. Nacional – Portugal
*11039	27.17	50		R. Nacional – Portugal
11040	27.17	50		R. Nacional – Portugal
*11090	27.05	1	CSA92	Ponta Delgada – Azores
11182	26.83	100		Moscow – U.S.S.R.
11390	26.34	100		Moscow – U.S.S.R.
11560	25.96	100		Moscow – U.S.S.R.
*11570	25.93	50	APK2]	Karachi – Pakistan
*11630	25.79	100		Leningrad – U.S.S.R.
11678	25.69	10		Ashkabad – U.S.S.R.
11680	25.68	2.5	HJCQ	R. Nacional – Colombia
		50	GRG	London – Gr. Britain
11685	25.67	25/50	HVJ11	Vatican R. – Vatican
11690	25.66	10		Magadan – U.S.S.R.
*11690	25.66	10		Peking – China
11695	25.65	100		Moscow – U.S.S.R.
11700	25.64	0.5	HP5A	Onda Popular – Panama
11700	25.64	100		Paris – France
		50	GVW	London – Gr. Britain
11705	25.63	100		R. Sweden – Sweden
		50	CHXA	Sackville – Canada
		7.5	CBFY	Vercheres – Canada
11710	25.62	100		Moscow – U.S.S.R.
		100	VUD5	Delhi – India
		100	VUD7	Delhi – India
		200	WLWO	Bethany – U.S.A.
		100	VLA11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		100		Voice of America – Tangier
11715	25.61	25/100	HEI5	Sshwarzenburg – Switzerland
11718	25.61	7.5		Athens (NBI) – Greece
11720	25.60	100		Moscow – U.S.S.R.
		50	PRL8	R. Nacional – Brazil
		20	OTM4	R. Congo Belge – Belgian Congo
		7.5	ZJM7	Sharq al Adna – Cyprus
		50	CHOL	Sackville – Canada
		7.5	CBFL	Vercheres – Canada
		2	CKRX	Winnipeg – Canada
*11724	25.58	16		R. Baghdad – Iraq
11726	25.58	50	APK2	Karachi – Pakistan
11730	25.58	100	KGEI	Belmont – U.S.A.
		0.2	OQ2AA	R. Leo – Belgian Congo
		40		R. Nederland – Holland
		50	GVV	London Gr. Britain
11735	25.56	5	CXA7	R. Oriental – Uruguay
		10/100	LKQ	R. Norway – Norway
11736	25.56	50	BED6	Taipeh – Taiwan
11740	25.55	100		Moscow – U.S.S.R.
		100	VLB11	Shepparton – Australia
*		1	COCY	Cadena Azul – Cuba
		1	CE1174	R. Nuevo Mundo – Chile

kc/s	Metres	kW		Stations
*		25/50	HVJ12	Vatican R. – Vatican
		7.5/100		R. Warsaw III – Poland
11750	25.53	100		Moscow – U.S.S.R.
		50	GSD	London – Gr. Britain
11755	25.52	100		Moscow – U.S.S.R.
11760	25.51	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		50	VLC11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		50/100		Voice of America – Tangier
		100	VUD7	Delhi – India
		20	VUD10	Delhi – India
		20	TAK	Ankara I – Turkey
		30	OLR4B	R. Prague – Czeckoslovakia
		50	CKRA	Sackville – Canada
		7.5	CBFA	Vercheres – Canada
11762	25.51	7.5	CR7BH	R. Clube de Mozambique – Moz.
11765	25.50	25	ZYB8	R. Difusora Sao Paulo – Brzail
		100		Moscow – U.S.S.R.
11770	25.49	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		3	YDE	Djakarta – Java
		100	YDF7	Djakarta – Java
		50	GVU	London – Gr. Britain
11775	25.48	50	WRCA	Bound Brook – U.S.A.
11780	25.47	100	RW96	Moscow – U.S.S.R.
		7.5	ZL3	Wellington – New Zealand
		0.8	HP5G	R. Panamericana – Panama
*		0.5	XENN	Salvador del Condo – Mexico
11785	25.46	100	YDF2	Djakarta – Java
		0.2		Vienna II (RAVAG) – Austria
11790	25.45	100		Honolulu – Hawaii
		50	GWV	London – Gr. Britain
		100		Moscow – U.S.S.R.
		5	VUD3	Delhi – India
		100	VUD5	Delhi – India
		100	VUD7	Delhi – India
		7.5	VUD9	Delhi – India
		20	VUD11	Delhi – India
		200	KRCA	Dixon – U.S.A.
		50	WRUL	Scituate – U.S.A.
		50	WABC	Brentwood – U.S.A.
		100		Voice of America – Tangier
11795	25.43	100	YDF3	Djakarta – Java
		0.4/20		N.W.D.R. – Germany
11800	25.42	1	COBH	R. Cadena Habana – Cuba
		5	JKI4	Kawachi – Japan
*		1	CE1180	Sociedad Nac. de Agricultura–Chile
		50	GWH	London – Gr. Britain
		50	BED4	Taipeh – Taiwan
11805	25.41	100	RW96	Moscow – U.S.S.R.
		0.3	HCFW2	R. Continental – Ecuador
11810	25.40	50	KCBR	Delano – U.S.A.
		100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		50	VLC11	Shepparton – Australia
		100		R. Rome – Italy
		7.5	HOXB	R. Centro Americana – Panama
11815	25.39	2	YNV	R. Difusora Nacional – Nicaragua
		7.5/100		R. Warsaw III – Poland
		100		Moscow – U.S.S.R.
*11820	25.38	0.1	XEBR	R. Difusora de Sonora – Cuba
		100		Moscow – U.S.S.R.
		50	GSN	London – Gr. Britain
11825	25.37	20	JKI	Nazaki (AFRS) – Japan
		50		Moscow – U.S.S.R.
		16	ZYK2	R. Jornal do Commercio – Brazil
11830	25.36	5	VUD3	Delhi – India
		10	VUD4	Delhi – India
		100	VUD7	Delhi – India
		7.5	VUD8	Delhi – India
		100	RW96	Moscow – U.S.S.R.
		50	WABC	Brentwood – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		100		Voice of America – Tangier
		25		R. France Asie – Vietnam
*11835	25.35	5	CXA19	R. El Espectador – Uruguay
11840	25.34	50	VLC11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		2	VLW11	Perth – Australia
		100		Moscow – U.S.S.R.
		50	OLR4A	R. Prague – Czechoslovakia
		10	GWQ	London – Gr. Britain
		100	LRT	R. Independencia – Argentina
11845	25.33	100		Moscow – U.S.S.R.
		100		Paris – France

kc/s	Metres	kW		Stations
		50	APK2	Karachi – Pakistan
11850	25.32	100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		10	VUD4	Delhi – India
		100	VUD7	Delhi – India
		20	VUD11	Delhi – India
		10/100	LLK	R. Norway – Norway
		5	TGNC	R. Evangelica – Guatemala
		1	CE1185	R. El Mercurio – Chile
		3		Djeddah – Saudi Arabia
*		1.2	ZPA3	R. Teleco – Paraguay
11852	25.32	100		Moscow – U.S.S.R.
11855	25.31	2	DZH9	Manila FEBC – Philippine
11860	25.30			Moscow – U.S.S.R.
		50	KWID	San Francisco – U.S.A.
		50	GSE	London – Gr. Britain
11865	25.28	25/100	HER5	Schwarzenburg – Switzerland
				Moscow – U.S.S.R.
		10	PRA8	R. Clube de Pernambuco – Brazil
11870	25.27	50	WGEO	Schenectady – U.S.A.
		100	VUD7	Delhi – India
		7.5	VUD8	Delhi – India
		50	VLC11	Shepparton – Australia
		7.5/100		Voice of America (Relay) – Germ.
11875	25.26	100	RW96	Moscow – U.S.S.R.
*		30	OLR4C	R. Prague – Czechoslovakia
11880	25.25	1	XEHH	Sal de Uvas Picot – Mexico
		100	VLA11	Shepparton – Australia
		100	VLB11	Shepparton – Australia
		10	VLG11	Lyndhurst – Australia
		10	VLH11	Melbourne – Australia
		100		R. Sweden – Sweden
		50	LRA	S.I.R.A. – Argentina
		50	GRE	London – Gr. Britain
11885	25.24	12	FHE3	Dakar – Senegal
				Moscow – U.S.S.R.
*		50	APK2	Karachi – Pakistan
11887	25.24	0.07		Romania Libera – Rumania
11890	25.23	100		Honolulu – Hawaii
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		100	RW96	Moscow – U.S.S.R.
		50		Voice of America – Philippines
		100	VUD7	Delhi – India
		50	GWW	London – Gr. Britain
11895	25.22	50		Voice of America – Philippines
11900	25.21	5	CE1190	R. La Cooperative Vitalicia – Chile
		100	KWID	San Francisco – U.S.A.
*		100		R. Rome – Italy
		10	VLG11	Lyndhurst – Australia
		15	RW96	Moscow – U.S.S.R.
		0.2	OQ2AB	R. Elisabeth – Belgian Congo
*		10	XEXE	La Voz de Mexico – Mexico
		20	CXA10	S.O.D.R.E. – Uruguay
		50	CKEX	Sackville – Canada
11910	25.18	100		Moscow – U.S.S.R.
*		100		Budapest – Hungary
11914	25.17	10	OBX4R	R. National – Peru
11915	25.17	100	RW96	Moscow – U.S.S.R.
		20		Damascus – Syria
11920	25.16	50		Moscow – U.S.S.R.
		50		R. Nacional – Portugal
11928	25.16	1	CR6RQ	R. Clube de Huambo – Angola
11930	25.15	50	GVX	London – Gr. Britain
11940	25.13	25/50	HVJ13	Vatican R. – Vatican
				Johannesburg – S. Africa
		50		R. Nacional – Portugal
11945	25.12	50		Moscow – U.S.S.R.
		2.5	ZPA5	R. Encarnacion – Paraguay
11950	25.10	100	RW96	Moscow – U.S.S.R.
*		3		Djeddah – Saudi Arabia
		1	PRL5	R. Minist. da Educ. e Saude – Braz.
11955	25.09	15/100		BFEBS – Malaya
		50	GVY	London – Gr. Britain
11960	25.08	100	RW96	Moscow – U.S.S.R.
		1	HS8PD	Bangkok – Thailand
*11962	25.08	50		R. Nacional – Portugal
11970	25.06	50		R.Brazzaville – Fr. Equat. Africa
*11972	25.06	3	TIRS	R. Athenea – Costa Rica
*11975	25.05	7.5/100		Colombo – Ceylon
11980	25.04			Moscow – U.S.S.R.
*11991	25.02	50		R. Nacional – Portugal
12020	24.96	100		Moscow – U.S.S.R.
12040	24.92	100		Moscow – U.S.S.R.
		50	GRV	London – Gr. Britain

kc/s	Metres	kW		Stations
12060	24.88	20	RW59	Moscow – U.S.S.R.
12095	24.80	50	GRF	London – Gr. Britain
12100	24.97	100	RW96	Moscow – U.S.S.R.
12121	24.75	1.5		Forest Side – Mauritius
12175	24.64	7	TFJ	Reykjavik – Iceland
12200	24.59	100	RW96	Moscow – U.S.S.R.
12200	24.55	100		Moscow – U.S.S.R.
12270	24.45	100	RW96	Moscow – U.S.S.R.
12300	24.39	0.5	OZL	Angmagsalik – Greenland
12350	24.28	100		Moscow – U.S.S.R.
12360	24.27	100		Moscow – U.S.S.R.
*12455	24.10	10	HCJB	Voz de los Andes – Ecuador
12749	23.53	10		R. Nacional – Portugal
12865	23.32	0.5	CSB51	R. Club Portuguese – Portugal
13880	21.61	25		Sverdlovsk – U.S.S.R.
14690	20.42	1.5	PSF	Agencia Nacional – Brazil
15000	20.00	90.4	WWV	Frequency st. – U.S.A.
		0.4	WWVH	Frequency st. – Hawaii
*15040	19.92	100		Minsk – U.S.S.R.
15048	19.95	5		Pan-American Radio – Tangier
*15060	19.92	10		R. Peking – China
15062	19.92	7.5		Voice of Ethiopia – Ethipoia
15070	19.91	50	GWC	London – Gr. Britain
15090	19.88	50	CKLX	Sackville – Canada
		7.5	CBLX	Vercheres – Canada
15095	19.87	25/50	HVJ14	Vatican R. – Vatican
15100	19.87	100		Paris – France
		100		Moscow – U.S.S.R.
		50		R. Nacional – Portugal
		7.5	HOXA	R. Centro Americana – Panama
*		20	EPB	R. Tehran – Iran
		5	TGNF	R. Evangelica – Guatemala
15105	19.86	100	KGEI	Belmont – U.S.A.
15110	19.85	100	RW96	Moscow – U.S.S.R.
		50	GWG	London – Gr. Britain
*15115	19.85	10	HCJB	Voz de los Andes – Ecuador
15120	19.84	7.5/100		Colombo – Ceylon
				Moscow – U.S.S.R.
		25/100	HED7	Schwarzenburg – Switzerland
*		100		R. Rome – Italy
		1.5		R. Eireann – Eire
		25/50	HVJ15	Vatican R. – Vatican
*15125	19.83	10/50		R. Nacional – Portugal
15130	19.83	200	WLWO	Bethany – U.S.A.
		50	WABC	Wayne – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
		50	KRCA	Dixon – U.S.A.
		20	VUD11	Delhi – India
*		100		Honolulu – Hawaii
		100		Voice of America – Tangier
15135	19.82	10	PRB23	R. Record – Brazil
15140	19.82	100		Moscow – U.S.S.R.
		50	GSF	London – Gr. Britain
15145	19.81	100		Moscow – U.S.S.R.
*		16	ZYK2	R. Jornal do Commercio – Brazil
15150	19.80	50	OAX4R	R. Nacional – Peru
		1	CE1515	R. Corporacion – Chile
		100		Moscow – U.S.S.R.
		50		R. Nacional – Portugal
		3	YDC	Djakarta – – Java
15155	19.80	25	ZYB9	R. Difusora Sao Paulo – Brazil
		100		Moscow – U.S.S.R.
		100	SBT	R. Sweden – Sweden
15160	19.79	5	VUD3	Delhi – India
		100	VUD5	Delhi – India
		100	VUD7	Delhi – India
		20	VUD10	Delhi – India
		100	TAU	Ankara II – Turkey
		100	VLB15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
15165	19.78	5	ZYN7	Ceará Radio Clube – Brazil
15170	19.78	10	TGWA	Voz de Guatemala – Guatemala
		0.2	OQ2AA	R. Leo – Belgian Congo
		100	VUD5	Delhi – India
		20	VUD10	Delhi – India
		100	RW96	Moscow – U.S.S.R.
		10/100	LKV	R. Norway – Norway
		10		Peking – China
15175	19.77	10	LLM	R. Norway – Norway
*15180	19.76	10	CR7BG	Lourenco Marques – Mozambique
		50		The Voice of Denmark – Denmark
		100	RW96	Moscow – U.S.S.R.
		50	GSO	London – Gr. Britain
15190	19.75	5	PRK9	R. Inconfidencia – Brazil
		7.5	CBFZ	Vercheres – Canada
		50	CKCX	Sackville – Canada

kc/s	Metres	kW		Stations
		100	VUD5	Delhi – India
		20	VUD11	Delhi – India
		100	OIX4	Pori – Finland
*15195	19.74	20	TAQ	Ankara I – Turkey
15200	19.74	50	WRUL	Scituate – U.S.A.
		100		Moscow – U.S.S.R.
		100	VLA15	Shepparton – Australia
		100	VLB15	Shepparton – Australia
		50	VLC15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
*15205	19.73	10	XEXE	La Voz de Mexico – Mexico
15210	19.72	100	RW96	Moscow – U.S.S.R.
		100	VUD5	Delhi – India
		20	VUD11	Delhi – India
		50	WRCA	Bound Brook – U.S.A.
		50	WBOS	Hull – U.S.A.
		50	KGEI	Belmont – U.S.A.
		50	VLC15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
		50	GWU	London – Gr. Britain
*		100		Voice of America – Tangier
		7.5/100		Voice of America – Germany
15220	19.71	100	VLA15	Shepparton – Australia
		50	VLC15	Shepparton – Australia
		7.5	ZL10	Wellington – New Zealand
		35		R. Nederland – Holland
15225	19.70	7.5	JBD3	Kawachi – Japan
15230	19.70	10	VLH15	Melbourne – Australia
		100	VLA15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
		80	WRUL	Scituate – U.S.A.
		100		Moscow – U.S.S.R.
				Johannesburg – S. Africa
		50	GWD	London – Gr. Britain
15235	19.69	5	JBD4	Kawachi – Japan
		20	BED3	Taipeh – Taiwan
*15240	19.68	100		Paris – France
		10	VLG15	Lyndhurst – Australia
		100		Voice of America – Tangier
15245	19.68	50		Voice of America, – Philippines
15250	19.67	200	WLWO	Bethany – U.S.A.
		50		Voice of America – Philippines
		100		Honolulu – Hawaii
		50	APK2	Karachi – Pakistan
15260	19.66	50	GSI	London – Gr. Britain
15270	19.65	50	WABC	Brentwood – U.S.A.
		200	KCBR	Delano – U.S.A.
		100	RW96	Moscow – U.S.S.R.
		25		Sverdlovsk – U.S.S.R.
		50	APK2	Karachi – Pakistan
		100		Voice of America – Tangier
15275	19.64	50	KCBR	Delano – U.S.A.
15280	19.63	100	RW96	Moscow – U.S.S.R.
		100		Voice of America – Tangier
		7.5	ZL4	Wellington – New Zealand
		7.5/100		Voice of America – Germany
15285	19.63	50	WRUL	Scituate – U.S.A.
16290	19.62	5	VUD3	Delhi – India
		100	VUD5	Delhi – India
		7.5	VUD9	Delhi – India
		20	LRA	S.I.R.A. – Argentina
15295	19.61			Moscow – U.S.S.R.
15300	19.61	15/100		BFEBS – Malaya
		100		Moscow – U.S.S.R.
*15300	19.60	2	DZH8	Manila FEBC – Philippines
*		50	GWR	London – Gr. Britain
		20	CXA18	SODRE – Uruguay
15305	19.60	25/100	HER6	Schwarzenburg – Switzerland
15309	19.60	15	RW97	Novosibirsk – U.S.S.R.
15310	19.60	50	KCBR	Delano – U.S.A.
		100		Moscow – U.S.S.R.
		50	GSP	London – Gr. Britain
15320	19.58	50	CKCS	Sackville – Canada
BØLGETABEL — RULLE g				
		100	RW96	Moscow – U.S.S.R.
		100	VLA15	Shepparton – Australia
		100	VLB15	Shepparton – Australia
		50	VLC15	Shepparton – Australia
		10	VLG15	Lyndhurst – Australia
		100		R. Rome – Italy
		30	OLR5B	R. Prague – Czechoslovakia
		50		The Voice of Denmark – Denmark
15330	19.57	100	WGEO	Schenectady – U.S.A.
		200	WLWO	Bethany – U.S.A.
		50		Voice of America – Philippines
		100		Sofia – Bulgaria

kc/s	Metres	kW		Stations
		100		Honolulu – Hawaii
15335	19.56	50	APK2	Karachi – Pakistan
15340	19.56	100		Moscow – U.S.S.R.
		200	KCBR	Delano – U.S.A.
*		100		Voice of America – Tangier
		7.5/100		Voice of America – Germany
15345	19.55	7.5		Athens (NBI) – Greece
		100	LRA	S.I.R.A. – Argentina
15346	19.55	12	FHE2	R. Dakar – Senegal
15350	19.54	50	WRUL	Scituate – U.S.A.
		50	WLWO	Mason – U.S.A.
		7.5	VUD8/9	Delhi – ndia
		20	VUD11	Delhi – India
		100		Paris – France
		5		R. Luxembourg – Luxembourg
15360	19.53	50		Moscow – U.S.S.R.
15370	19.52	50		Moscow – U.S.S.R.
*		25	ZYC9	R. Tupi – Brazil
*15380	19.51	50		R. Nacional – Portugal
15385	19.50	25/50	HVJ16	Vatican R. – Vatican
15390	19.49	100	RW96	Moscow – U.S.S.R.
15395	19.49	20		Damascus – Syria
15400	19.48	100		Moscow – U.S.S.R.
		100		Paris – France
		60		R. Rome – Italy
15400	19.48	5	PZC	AVROS Paramaribo – Surinam
15403	19.48	0.5	OZL	Angmagssalik – Greenland
15410	19.47	100	RW96	Moscow – U.S.S.R.
15430	19.45	100		Moscow – U.S.S.R.
15435	19.44	50	GWE	London – Gr. Britain
15440	19.43	100	RW96	Moscow – U.S.S.R.
15450	19.42			Moscow – U.S.S.R.
		50	GRD	London – Gr. Britain
15490	19.39	100		Moscow – U.S.S.R.
15510	19.34	100		Moscow – U.S.S.R.
15540	19.31			Moscow – U.S.S.R.
15595	19.23	4.5		R. Chad – Fr. Equat. Africa
*15595	19.23	50		R. Brazzaville – Fr. Equat. Africa
15635	19.18	40		R. Nacional de Espana – Spain
15910	18.86	1	HS8PD	Bangkok – Thailand
17445	17.19	25/50	HVJ17	Vatican R. – Vatican
17677	16.97	1	CR5SB	Sao Tomé – Sao Tomé
17700	16.95	50	GVP	London – Gr. Britain
17715	16.93	50	GRA	London – Gr. Britain
17720	16.93	20	TAD	Ankara I – Turkey
		100	LRA	S.I.R.A. – Argentina
17730	16.92	50	GVQ1	London – Gr. Britain
17735	16.91	25/50	HVJ18	Vatican R. – Vatican
17740	16.91	5		R. Nacional – Portugal
		20	VUD11	Delhi – India
17750	16.90	100		Moscow – U.S.S.R.
		50	WRUL	Scituate – U.S.A.
				Johannesburg – S. Africa
17755	16.90	10	LKW	R. Norway – Norway
		15/100		BFEBS – Malaya
17760	16.89	5	VUD3	Delhi – India
		100	VUD5	Delhi – India
		20	VUD10/11	Delhi – India
		100	KWID	San Francisco – U.S.A.
		25	WGEO	Schenectady – U.S.A.
		50		Voice of America – Philippines
17770	16.88	50	APK2	Karachi – Pakistan
		100		R. Rome – Italy
		50	KCBR	Delano – U.S.A.
		100		Voice of America – Tangier
17775	16.88	40		R. Nederland – Holland
17780	16.87	50		Voice of America – Philippines
		100		Honolulu – Hawaii
		50	WRCA	Bound Brook – U.S.A.
		20	VUD10	Delhi – India
		20	VUD11	Delhi – India
		100		Moscow – U.S.S.R.
		100		Voice of America – Tangier
17784	16.87	25/100	HER7	Sshwarzenburg – Switzerland
17790	16.86	50	GSG	London – Gr. Britain
17795	16.85	200	WLWO	Bethany – U.S.A.
		100	RW96	Moscow – U.S.S.R.
*17800	16.85	200	WLWO	Bethany – U.S.A.
		200	KRCA	Dixon – U.S.A.
		100	VLA17	Shepparton – Australia
		100	VLB17	Shepparton – Australia
		50	VLC17	Shepparton – Australia
		15	OIX5	Pori – Finland
		100		Honolulu – Hawaii
*17803	16.85	60		R. Rome – Italy
17810	16.84	100		Moscow – U.S.S.R.
		100	YDF4	Djakarta – Java
		50	GSV	London – Gr. Britain

kc/s	Metres	kW		Stations
		0.35		NWDR – Germany
17820	16.84	50	CKNC	Sackville – Canada
		7.5		Colombo – Ceylon
17825	16.83	50		Leningrad – U.S.S.R.
		10/100	LLN	R. Norway – Norway
17830	16.83	100	TAV	Ankara II – Turkey
				Moscow – U.S.S.R.
		200	KRCA	Dixon – U.S.A.
		50	WABC	Brentwood – U.S.A.
		5	VUD3	Delhi – India
		100	VUD5/7	Delhi – India
		30	ORL6A	R. Prague – Czechoslovakia
17835	16.82	50	APK2	Karachi – Pakistan
17840	16.82	15	RW96	Moscow – U.S.S.R.
		25/50	HVJ19	Vatican R. – Vatican
		100	VLA17	Shepparton – Australia
		50	VLC17	Shepparton – Australia
		100	VUD5	Delhi – India
		20	VUD10	Delhi – India
		1.5		R. AEF – Fr. Equat. Africa
		1.5		R. Eireann – Eire
17845	16.82	5		Ruyslede – Belgium
	16.81	0.35		NWDR – Germany
17850	16.81	50		Moscow – U.S.S.R.
		100		Paris – France
		50	PRL9	R. Nacional – Brazil
17855	16.80	100		Moscow – U.S.S.R.
17860	16.80	5		R. Nacional – Portugal
17865	16.80	20		Damascus – Syria
17870	16.79	5	TGNA	R. Evangelica – Guatemala
*17890	16.77	10	HCJB	Voz de los Andes – Ecuador
18025	16.64	50	GRQ	London – Gr. Britain
18070	16.60	0.5		R. Omdurman – Sudan
18080	16.59	50	GVO	London – Gr. Britain
18130	16.55	50	GRP	London – Gr. Britain
18450	16.26	20	HBQ	United Nations – Switzerland
21460	13.98	50	KRCA	Dixon – U.S.A.
21470	13.97	50	GSH	London – Gr. Britain
21480	13.96	10		R. Nederland – Holland
21490	13.96	5		R. Nacional – Portugal
21500	13.95	50	WABC	Wayne – U.S.A.
		50	WRCA	Bound Brook – U.S.A.
21510	13.95	100/20	VUD5/11	Delhi – India
21515	13.94	50	HVJ20	Vatican R. – Vatican
21520	13.94	200	WLWO	Bethany – U.S.A.
		25/100	HER8	Sshwarzenburg – Switzerland
21530	13.93	50	GSJ	London – Gr. Britain
21540	13.93	100	VLB21	Shepparton – Australia
21550	13.92	50	GST	London – Gr. Britain
21560	13.91	100		R. Rome – Italy
21570	13.91	50	WABC	Brentwood – U.S.A.
		50		Voice of America – Philippines
21580	13.90	100		R. Sweden – Sweden
21590	13.90	50	WGEO	Schenectady – U.S.A.
21600	13.89	100	VLA21	Shepparton – Australia
		100	VLB21	Shepparton – Australia
		50	CKRP	Sackville – Canada
		1	OBX4T	R. Nacional del Peru – Peru
21610	13.88	50	WRCA	Bound Brook – U.S.A.
21620	13.87	7.5/100		Colombo – Ceylon
21640	13.86	100		Paris – France
		50	GRZ	London – Gr. Britain
21650	13.86	200	WLWO	Bethany – U.S.A.
21660	13.85	20	VUD10	Delhi – India
		5		R. Nacional – Portugal
21670	13.85	5	LLP	R. Norway – Norway
21675	13.84	50	GVR	London – Gr. Britain
21680	13.84	50	VLC21	Shepparton – Australia
21690	13.83	50		Voice of America – Tangier
21700	13.82	20	VUD10	Delhi – India
21710	13.82	50	CHLA	Sackville – Canada
		50	GVS	London – Gr. Britain
21730	13.81	50	WRCA	Bound Brook – U.S.A.
		5	LLQ	R. Norway – Norway
21740	13.80	50	HVJ21	Vatican R. – Vatican
21740	13.80	50	KGEI	San Francisco – U.S.A.
		50	KCBR	Delano – U.S.A.
		100		Paris – France
21750	13.79	50	GVT	London – Gr. Britain
25660	11.69	5		R. Nacional – Portugal
25690	11.68	5		R. Nacional – Portugal
25740	11.66	50	HVJ22	Vatican R. – Vatican
25750	11.65	50	GSQ	London – Gr. Britain
25780	11.64	50	HVJ23	Vatican R. – Vatican
26100	11.49	50	GSK	London – Gr. Britain
26400	11.36	50	GSR	London – Gr. Britain
26550	11.30	50	GSS	London – Gr. Britain

International Allocation of Call Signs

The following table of prefixes was revised at the Atlantic City Conference 1947, and came into use in 1949, The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.
AMA–AOZ	(Not Allocated)
APA–ASZ	Pakistan
ATA–AWZ	India
AXA–AXZ	Australia
AYA–AZZ	Argentina
BAA–BZZ	China
CAA–CEZ	Chile
CFA–CKZ	Canada
CLA–CMZ	Cuba
CNA–CNZ	Morocco
COA–COZ	Cuba
CPA–CPZ	Bolivia
CQA–CRZ	Portuguese Colonies
CSA–CUZ	Portugal
CVA–CXZ	Uruguay
CYA–CZZ	Canada
DAA–DMZ	Germany
DNA–DQZ	Belgian Congo
DRA–DTZ	Byelorussia
DUA–DZZ	Philippines
EAA–EHZ	Spain
EIA–EJZ	Ireland
EKA–EKZ	U.S.S.R.
ELA–ELZ	Liberia
EMA–EOZ	U.S.S.R.
EPA–EQZ	Persia
ERA–ERZ	U.S.S.R.
ESA–ESZ	Estonia
ETA–ETZ	Ethiopia
EUA–EZZ	U.S.S.R.
FAA–FZZ	France and Colonies
GAA–GZZ	Great Britain
HAA–HAZ	Hungary
HBA–HBZ	Switzerland
HCA–HDZ	Ecuador
HEA–HEZ	Switzerland
HFA–HFZ	Poland
HGA–HGZ	Hungary
RAA–RZZ	U.S.S.R.
SAA–SMZ	Sweden
SNA–SRZ	Poland
SSA–SUZ	Egypt
SVA–SZZ	Greece
TAA–TCZ	Turkey
TDA–TDZ	Guatemala
TEA–TEZ	Costa Rica
TFA–TFZ	Iceland
TGA–TGZ	Guatemala
THA–THZ	France and Colonies
TIA–TIZ	Costa Rica
TJA–TZZ	France and Colonies
UAA–UQZ	U.S.S.R.
URA–UTZ	Ukraine
UUA–UZZ	U.S.S.R.
VAA–VGZ	Canada
VHA–VNZ	Australia
VOA–VOZ	Newfoundland
VPA–VSZ	British Colonies
VTA–VWZ	India
VXA–VYZ	Canada
VZA–VZZ	Australia
WAA–WZZ	U.S.A.
XAA–XIZ	Mexico
XJA–XOZ	Canada
XPA–XPZ	Denmark
XQA–XRZ	Chile
XSA–XSZ	China
XTA–XWZ	France and Colonies
XXA–XXZ	Portuguese Colonies
XYA–XZZ	Burma
YAA–YAZ	Afghanistan
XBA–YHZ	Netherlands Indies
YIA–YIZ	Iraq
YJA–YJZ	New Hebrides
YKA–YKZ	Syria
YLA–YLZ	Latvia
YMA–YMZ	Turkey
HHA–HHZ	Haiti
HIA–HIZ	Dominican Republic
HJA–HKZ	Colombia
HLA–HMZ	Korea
HNA–HNZ	Iraq
HOA–HPZ	Panama
HQA–HRZ	Honduras Republic
HSA–HSZ	Siam
HTA–HTZ	Nicaragua
HUA–HUZ	Salvador
HVA–HVZ	Vatican City
HWA–HYZ	France and Colonies
HZA–HZZ	Saudi Arabia
IAA–IZZ	Italy and Colonies
JAA–JSZ	Japan
JTA–JVZ	Mongolia
JWA–JXZ	Norway
JYA–JZZ	(Not Allocated)
KAA–KZZ	U.S.A.
LAA–LNZ	Norway
LOA–LWZ	Argentina
LXA–LXZ	Luxembourg
LYA–LYZ	Lithauania
LZA–LZZ	Bulgaria
MAA–MZZ	Great Britain
NAA–NZZ	U.S.A.
OAA–OCZ	Peru
ODA–ODZ	Lebanon
OEA–OEZ	Austria
OFA–OJZ	Finland
OKA–OMZ	Czechoslovakia
ONA–OTZ	Belgium and Colonies
OUA–OZZ	Denmark
PAA–PIZ	Netherlands
PJA–PJZ	Curacao
PKA–POZ	Netherlands Indies
PPA–PYZ	Brazil
PZA–PZZ	Surinam
QAA–QZZ	(Serv. Abbreviations)
YNA–YNZ	Nicaragua
YOA–YRZ	Rumania
YSA–YSZ	Salvador
YTA–YUZ	Yugoslavia
YVA–YYZ	Venezuela
YZA–YZZ	Yugoslavia
ZAA–ZAZ	Albania
ZBA–ZJZ	British Colonies
ZKA–ZMZ	New Zealand
ZNA–ZOZ	British Colonies
ZPA–ZPZ	Paraguay
ZQA–ZQZ	British Colonies
ZRA–ZUZ	South Africa
ZVA–ZZZ	Brazil
2AA–2ZZ	Great Britain
3AA–3AZ	Monaco
3BA–3FZ	Canada
3GA–3GZ	Chile
3HA–3UZ	China
3VA–3VZ	France and Colonies
3WA–3XZ	(Not Allocated)
3YA–3YZ	Norway
3ZA–3ZZ	Poland
4AA–4CZ	Mexico
4DA–4IZ	Philippines
4JA–4LZ	U.S.S.R.
4MA–4MZ	Venezuela
4NA–4OZ	Yugoslavia
4PA–4SZ	British Colonies
4TA–4TZ	Peru
4UA–4UZ	United Nations
4VA–4VZ	Haiti
4WA–4WZ	Yemen
4XA–4ZZ	(Not Allocated)
5AA–5ZZ	(Not Allocated)
6AA–6ZZ	(Not Allocated)
7AA–7ZZ	(Not Allocated)
8AA–8ZZ	(Not Allocated)
8AA–9ZZ	(Not Allocated).

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TIME IN ALL COUNTRIES

DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T.

	Normal clock Time	Summer Time
Aden	+3	+3
Afghanistan	+4½	+4½
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Arabia	+3	+3
Argentina	÷3	÷3
Australia		
a) Victoria, New South Wales, Queensland, Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) North Territory. S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1
Barbados (W. I.)	÷4	÷4
Balearic Islands	+1	+1
Belgian Congo (West)	+1	+1
Belgian Congo (East)	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Brazil		
a) Eastern and Coastal.	÷3	÷2
b) Western (Manaos)	÷4	1/12-1/4 ÷3
Bulgaria	+2	+2
Burma	+6½	+6½ 1/4-1/10
Cameroons	+1	+1
Canada		
a) Atlantic (Nova Scotia Quebec)	÷4	25/4-25/9 ÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
f) New Foundland	÷3½	÷2½
Canary Islands	GMT	GMT
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½

	Normal clock Time	Summer Time
Chile	÷4	÷4
China	+8	+9 1/5-30/9
Colombia	÷5	÷5
Costa Rica	÷6	÷6
Cuba (W.I.)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2
Czechoslovakia	+1	+1
Denmark	+1	+1
Dominican Republic (W.I.)	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Eire	GMT	+1 April-October
El Salvador	÷6	÷6
Ethiopia	+3	+3
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa (Brazzaville)	+1	+1
French West Africa (Senegal)	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gold Coast	GMT	+½ 1/9-31/12
Great Britain	GMT	+1 1/4-1/10
Greece	+2	+2
Greenland	÷3	÷3
Goa (Port India)	+5½	+5½
Guadeloupe (W.I.)	÷4	÷4
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guinea (Port.)	GMT	GMT
Guinea (Spanish)	+½	+½
Haiti (W.I.)	÷5	÷5
Hawaiian Islands	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷6
Honduras (British)	÷6	÷5 1/12-1/4
Hong Kong	+8	+9 1/4-1/10
Hungary	+1	+1
Iceland	÷1	GMT
India	+5½	+5½
Indonesia		
a) North Sumatra	+6½	+6½
b) South -	+7	+7

	Normal clock Time	Summer Time
c) Java, Borneo	+7½	+7½
d) Celebes	+8	+8
e) Molucca Islands	+8½	+8½
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Northern)	GMT	+1
Israel	+2	+3 1/5-31/10
Italy	+1	+1
Jamaica (W.I.)	÷5	÷5
Japan	+9	+10 1/5-15/9
Kenya	+3	+3
Korea	+9	+10
Lebanon	+2	+2
Liberia	÷1	÷1
Libya		
a) West (Tripolitania)	+1	+2
b) East (Cyrenaica)	+2	+2
Luxembourg	+1	+1
Macau	+8	+9
Madagascar	+3	+3
Madeira	÷1	GMT
Malaya	+7½	+7½
Malta	+1	+1
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Monaco	+1	+1
Morocco (French)	GMT	GMT
Morocco (Spanish)	+1	+1
Mozambique	+2	+2
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (British)	+10	+10
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norway	+1	+1
Pakistan		
a) West	+4½	+4½
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Islands	+8	+8
Poland	+1	+1
Portugal	GMT	+1 1/4-1/10
Puerto Rico (W.I.)	÷4	÷4

	Normal clock Time	Summer Time
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Rumania	+2	+2
Samoa Islands	÷11	÷11
S. Tomé	GMT	+1
Saudi Arabia	+3	+3
Sierra Leone	GMT	÷½ 1/9-31/12
Somaliland (British)	+3	+3
Somaliland (French)	+3	+3
Spain	+1	+1
Sudan (Anglo-Egyptian)	+2	+2
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9
Tanganyika	+3	+3
Tangier	GMT	+1 1/6-1/10
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Transjordan	+2	+2
Trieste	+1	+1
Trinidad (W.I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+3 April–October
Union of South Africa	+2	+2
Uruguay	÷3	÷3
U.S.S.R. Moscow, Leningrad	+3	+3
U. S. A.		
a) Eastern Zone[1])	÷5	÷4 1/5-1/10
b) Central Zone[2])	÷6	÷5 1/5-1/10
c) Mountain Zone[3])	÷7	÷6 1/5-1/10
d) Pacific Zone[4])	÷8	÷7 1/5-1/10
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+8	+8
Yemen	+3	+3
Yugoslavia	+1	+1

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